From: Scott, Allison (GOV)
Sent: Tuesday, February 17, 2015 7:07 PM
To: Emmitt, Beth (GOV)
Cc: Wisniewski, Wendy (GOV)
Subject: Fwd: Tues meeting

Let's see if there is time on thurs that work for john and Jarrod per the below

Wendy see cos agenda items below

Sent from my iPhone

Begin forwarded message:

> **From:** Rick Snyder <[redacted]>
> **Date:** February 17, 2015 at 11:10:28 AM EST
> **To:** Allison Scott <[redacted]>
> **Subject: Re: Tues meeting**
>
> Thanks.
>
> Just got a text from US re dinner tonight.
>
> Also, can we check on having a COS meeting this week? I didn't see one. Might want to have John Walsh and Jarrod there. Would like to run through our list of priorities and make sure we are on top of things:
> Major events:
> Econ Dev and Ed summit in March
> Energy Message in March
> Road campaign in May
> Budget in June
> Criminal Justice in spring
>
> Other:
> Tax credits
> Local and school transparency
> CTE
> Flint water
> Flint schools
> DPS
> Wayne County
>
> On Feb 17, 2015, at 10:55 AM, ALS RFM <[redacted]> wrote:

From: Scott, Allison (GOV)
Sent: Thursday, April 18, 2013 12:46 PM
To: Wisniewski, Wendy (GOV)
Subject: Fwd: COS items

Sent from my iPhone

Begin forwarded message:

> **From:** "Snyder, Rick (GOV)" <[redacted]>
> **Date:** April 18, 2013, 12:29:57 PM EDT
> **To:** "Scott, Allison (GOV)" <scotta12@michigan.gov>
> **Subject: COS items**
>
> A few items to add:
>
> Flint/DWSD
> [redacted]
>
> Thanks
> Rick

From: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>
Sent: Tuesday, October 13, 2015 11:24 AM
To: connersp@michigan.gov; Muchmore, Dennis (GOV); Walsh, John (GOV); McPhee, Karen (GOV); Murray, David (GOV); Khouri, Nick (TREASURY); Baird, Richard (GOV); Stanton, Terry A. (Treasury); Saxton, Thomas (Treasury); Wurfel, Sara (GOV); Snyder, Rick (GOV)
Cc: Kelly Rossman-McKinney; Darnell Earley
Subject: Fw: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

All,

Mr. Earley asked me to share with you his response to the below media inquiry. It was as follows:

"The decision to separate from DWSD and go with the Karegnondi Water Authority, including the decision to pump Flint river water in the interim, were both a part of a long-term plan that was approved by Flint's Mayor, and confirmed by a City Council vote of 7-1 in March of 2013 - a full seven months before I began my term as Emergency Manager. That vote was supported and signed into emergency order by then Emergency Manager Edward Kurtz on March 29, 2013. It was my responsibility to implement the previously accepted and approved plan as the contract with DWSD expired in April 2014 during my term as EM. It did not fall to me to second guess or to invalidate the actions that were taken prior to my appointment. An even bigger concern that everyone should be focused on moving forward is what is done in the long-term to replace the crumbling water distribution system that exits throughout Flint and Genesee County."

Please let him know if you have any questions.

Thanks.

Michelle Z.

Michelle A. Zdrodowski
Executive Director of Communications
Detroit Public Schools
3011 W. Grand Boulevard, 14th Floor
Detroit, MI 48202
313.873.3238, office
[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal
[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier
Office Manager
Detroit Public Schools
Office of Communications
Fisher Building, 14th Floor
3011 West Grand Boulevard
Detroit, MI 48202
(313) 873-3494 desk
(313) 873-6269 fax

From: Kelly Rossman-McKinney <[redacted]
Sent: Tuesday, October 13, 2015 11:38 AM
To: Michelle Zdrodowski
Cc: connersp@michigan.gov; Muchmore, Dennis (GOV); Walsh, John (GOV); McPhee, Karen (GOV); Murray, David (GOV); Khouri, Nick (TREASURY); Baird, Richard (GOV); Stanton, Terry A. (Treasury); Saxton, Thomas (Treasury); Wurfel, Sara (GOV); Snyder, Rick (GOV); Darnell Earley
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Works for me!

Sent from my iPhone

On Oct 13, 2015, at 11:24 AM, Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org> wrote:

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> Michelle Z.

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Detroit Public Schools

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Detroit, MI 48202

313.873.3238, office

[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier

Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Wurfel, Sara (GOV)
Sent: Tuesday, October 13, 2015 11:49 AM
To: Kelly Rossman-McKinney
Cc: Michelle Zdrodowski; connersp@michigan.gov; Muchmore, Dennis (GOV); Walsh, John (GOV); McPhee, Karen (GOV); Murray, David (GOV); Khouri, Nick (TREASURY); Baird, Richard (GOV); Stanton, Terry A. (Treasury); Saxton, Thomas (Treasury); Snyder, Rick (GOV); Darnell Earley
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Calling you now, Michelle.

Thanks much,
SW

Sara Wurfel
Press Secretary | Executive Office of Governor Rick Snyder

Sent from my iPhone

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Detroit, MI 48202

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[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier

Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: [redacted]
Sent: Monday, November 09, 2015 7:50 PM
To: Stoken, Laura (GOV)
Subject: Re: Executive Office of the Governor, Rick Snyder

I am able to read the legislation for myself and see what it does and does not do. I do not need you to send me your bullshit lies. This so called road funding bill is garbage. Its regressive and inadequate and you should quit your job instead of continuing to spew Snyder's garbage. Snyder should be in jail. Actually jail is too good for someone who poisons children. Anyone who grew up or lived in Flint like I did would know that you can't drink water from the Flint River. I was told my entire childhood not to play in or touch water from creeks running off the river. Shame!!!!!!!!!

From: "Laura Stoken (GOV)" <Stokenl@michigan.gov>
To: "Rick Snyder (GOV)" <[redacted]
Sent: Friday, November 6, 2015 2:07:17 PM
Subject: Executive Office of the Governor, Rick Snyder

Thank you for your recent correspondence to Governor Rick Snyder's office. As a member of Governor Snyder's staff, please accept this response on his behalf.

Michigan's deteriorating infrastructure is in need of revitalization if we are to continue successfully reinventing our economy. Michigan is not only the automotive leader of the nation but also a leader in developing innovative road construction materials which can be used to improve Michigan's roadways. We can only continue being a transportation leader if we upgrade our own infrastructure.

Governor Snyder believes reinvention means reinvestment from us, the residents of Michigan, in the infrastructure that allows us to work, play and live in our beautiful state. We cannot reinvent our state without first shoring up its foundation. Whether traveling by foot, bicycle, car, truck, plane, train or bus, all residents and visitors to our great state deserve safe and unencumbered sidewalks, roads and rails.

Gov. Rick Snyder issued the following statement on November 3, 2015 after the state House and Senate approved a comprehensive, long-term plan to address Michigan's infrastructure challenges.

"The state House and Senate approved a fiscally responsible, comprehensive transportation plan that provides a long-term solution with new revenue that also provides long-term tax relief. This is the largest investment in Michigan roads and bridges in more than half a century, making them safer for Michiganders long into the future.

"I commend my partners in the Legislature for their resolve and their willingness to compromise. These are difficult decisions. If left unaddressed, our infrastructure problems would have grown more expensive to fix, there would have been greater damage to our vehicles and, more importantly, more drivers left to face unsafe conditions.

"The plan approved today includes new revenue generated by people and businesses using the roads -- including non-residents. It helps with public transportation that is vital for many to get to work and school. And it's good for our economy, strengthening the network of local, state and federal roads that is vital for all of our job-creators. It also allows us to continue investing in our core priorities that help Michiganders and fuel our state's comeback.

"This plan also shows people around the country and around the world that Michiganders face our toughest problems and solve them. Preserving our roads and bridges has been a priority, and is another important step we've taken to make our state a better place to live and work."

Once the bills are enrolled and sent to Governor Snyder's desk for consideration, he has 14 days to make a decision on the legislation. Please know that when the legislation makes it to his desk he will keep your comments close at hand.

As we continue to work towards more meaningful reforms that will transform Michigan's government processes, we appreciate your comments and feedback. Thank you for contacting our office, and please do not hesitate to call on us if there is anything we can do for you.

Sincerely,

Laura Stoken
Manager, Constituent Relations
Executive Office of the Governor, Rick Snyder
[redacted]

From: Snyder, Rick (GOV)
Sent: Tuesday, January 05, 2016 3:16 PM
To: Stoken, Laura (GOV)
Subject: FW: Mattawan Water Issue (see enclosure)
Attachments: Ash Dump.asf

From: [redacted]
Sent: Wednesday, December 30, 2015 11:10 AM
To: Snyder, Rick (GOV) <[redacted]; Snyder, Rick (GOV) <[redacted]
Cc: Calley, Brian (GOV) <[redacted]
Subject: Mattawan Water Issue (see enclosure)

Dear Governor,

In the next few emails I'll be sending you information concerning an ordeal that transpired in Mattawan Michigan somewhat similar to Flint but on a much smaller scale. Although the incident does not involve lead poisoning it does denote some of the same issues Flint residents experienced with the MDEQ when reporting problems with their water.

The geography involved consists of a nationally recognized wetland situated in what is considered by the MDEQ as a high recharge area for a water aquifer serving multiple families. The wetland was used as an unsupervised open dump site by multiple entities for over 20 years. Along with yards of debris, there were barrels of fuel oil discovered by the site along with deionized water indicating the possibility of dumpling by industry sometime during the dumps lifetime.

It took almost three years of effort to get the MDEQ to do their jobs. Along the way they ignored complaints of fuel spills, covert hazardous waste removal, and refused to conduct proper soil sampling to ensure the water supply is indeed safe. They used the excuse of not having the funds or personnel resources to fulfil the requirements of their own policy.

I have security cameras that captured some of the aforementioned episodes contradicting what the MDEQ employees reported to the EPA to avoid scrutiny by the federal agency. As it stands now we have a water aquifer with a ten year water movement (length of time it takes water in the aquifer to move from one side of the aquifer to the other) and heaps of soil removed from the wetland but still in piles adjacent to the original dump site and still on top of the aquifer where leaching occurs.

The bottom-line is it was evident from the beginning that the MDEQ didn't want to deal with the issue and did everything they could **to not find evidence** that would require further action on their part. In the end, I unenthusiastically accepted five years of water testing by the agency because it was apparent that they would not properly remedy the situation. That said, as it stands now others downstream who use the same aquifer are unaware of how the situation was handled and the potential for chemicals to reach their wells within the ten year water movement. Again this is a high recharge area for the aquifer – meaning rain and snow melt saturate the area thereby significantly increasing the infiltration of water into the soil and subsequent leaching of embedded chemicals into the aquifer.

There are three primary MDEQ employees that were complicit in an attempt to conceal what transpired: Bryce Feighner, Fred Sellers, and Lee Anne Thor. As stated I have video, email, and other documents that support my accusations.

I look forward to talking about possible remedies and await your response.

Respectfully,

[redacted]
Mattawan

From: Stoken, Laura (GOV)
Sent: Tuesday, October 13, 2015 1:04 PM
To: Scott, Allison (GOV)
Cc: Hansen, Rachel (GOV)
Subject: FW: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Hey Allison,

This came into the Governor's public facing e-mail.

Thanks,

Laura

From: Wurfel, Sara (GOV)
Sent: Tuesday, October 13, 2015 11:49 AM
To: Kelly Rossman-McKinney <[redacted]
Cc: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>; connersp@michigan.gov; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; McPhee, Karen (GOV) <McPheeK1@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Khouri, Nick (TREASURY) <KhouriN@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Snyder, Rick (GOV) <[redacted]>; Darnell Earley <darnell.earley@detroitk12.org>
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Calling you now, Michelle.

Thanks much,
SW

Sara Wurfel
Press Secretary | Executive Office of Governor Rick Snyder

Sent from my iPhone

On Oct 13, 2015, at 11:37 AM, Kelly Rossman-McKinney <[redacted] wrote:

> Works for me!
>
> Sent from my iPhone
>
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> > All,

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Please let him know if you have any questions.

Thanks.

Michelle Z.

Michelle A. Zdrodowski

Executive Director of Communications

Detroit Public Schools

3011 W. Grand Boulevard, 14th Floor

Detroit, MI 48202

313.873.3238, office

[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM

To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier

Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Stoken, Laura (GOV)
Sent: Tuesday, October 20, 2015 1:36 PM
To: [redacted]
Subject: RE: Flint Water

Dear Mr. [redacted],

Thank you for your recent correspondence sent to Governor Rick Snyder regarding the water in Flint. As a member of Governor Snyder's staff, I am responding on his behalf.

Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water until the Karegnondi Water Authority pipeline is completed. Governor Snyder has asked the state Legislature to provide half, or $6 million, of the $12 million needed to reconnect with the authority through next summer, when the KWA is expected to be completed. The Flint city government will provide $2 million and the Charles Stewart Mott Foundation has committed $4 million.

Governor Snyder said "Flint residents need to have access to safe, clean, water now and long into the future." The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. The Governor appreciates Detroit's willingness to reconnect with Flint, the Mott Foundation's generous commitment, and the dedication of all parties to come together to protect Flint families and children.

Flint city leaders requested the state's help to fund the reconnection and to assist with health and infrastructure issues. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

The move to Detroit water, which is expected to include many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can sometimes be present in shallower rivers. Additionally, the Great Lakes Water Authority water already has additional corrosion control, using phosphates to help coat the insides of pipes and limit lead from leaching into the water. However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

To best protect public health, Governor Snyder, state, and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality (DEQ) and Health and Human Services (MDHHS) also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations. For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation. At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it's as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

The state also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Please visit Michigan.gov/Flintwater for additional resources.

Thank you, again, for taking the time to share your concerns with our office. Should you have any further comments, questions or concerns regarding this or any other state-related matter, I've included my contact information below.

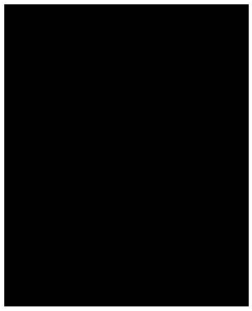
Sincerely,

Laura Stoken
Constituent Relations Division
Executive Office of the Governor, Rick Snyder
517.335.7858 (o)

From: [redacted]
Sent: Tuesday, October 20, 2015 6:37 AM
To: letters@freepress.com; Nolan Finley <[redacted]; letters@detnews.com; Snyder, Rick (GOV) <[redacted]
[redacted]nkaffer@freepress.com
Subject: Flint Water

I remember when John Engler created the Department of Environmental Quality, and it was a way for Businesses to skirt Environmental Laws. John Engler created the DEQ so that business could find a

way to skirt the EPA rules and open the abandon mines in the UP, and business could shove the Deep Injection Well by the Airport down the people's throats like it or not. Governor Granholm then dissolved the DEQ and put the Department of Natural Resources back in charge of our environment. As soon a Rick Snyder took the Governors job he reassembled the Department of Environmental Quality and appointed his Director, a political appointee, not necessarily a specialist in the field, but a politician. Now we have lot of sick children and residents in Flint that will take the rest of our lives or more to repair. How sad it is that Business is making all the decisions for our State, and the legislators are working for special interest groups that donate money to their campaign's.



From: Stoken, Laura (GOV)
Sent: Tuesday, January 05, 2016 3:45 PM
To: Thelen, Mary Beth (DEQ)
Subject: Action Item [redacted- Constituent Case Referral 1 of 3
Attachments: Ash Dump.asf

1 of 3

Hello -

Governor Snyder's office has received a constituent inquiry from Roger Soldano .

I would appreciate a copy of correspondence exchanged with this constituent on Governor Snyder's behalf, but I understand you may be limited by law in what you can share. Please let me know if you are unable to follow up with this constituent or if you believe I have made a mistake in referring this to your attention.

As always, please do not hesitate to contact me with any questions or concerns. Thank you for your assistance.

Laura Stoken
Office of the Governor
O: 517-335-7858

From: [redacted]
Sent: Wednesday, December 30, 2015 11:10 AM
To: Snyder, Rick (GOV) <[redacted] Snyder, Rick (GOV) <[redacted]
Cc: Calley, Brian (GOV) <[redacted]
Subject: Mattawan Water Issue (see enclosure)

Dear Governor,

In the next few emails I'll be sending you information concerning an ordeal that transpired in Mattawan Michigan somewhat similar to Flint but on a much smaller scale. Although the incident does not involve lead poisoning it does denote some of the same issues Flint residents experienced with the MDEQ when reporting problems with their water.

The geography involved consists of a nationally recognized wetland situated in what is considered by the MDEQ as a high recharge area for a water aquifer serving multiple families. The wetland was used as an unsupervised open dump site by multiple entities for over 20 years. Along with yards of debris, there were barrels of fuel oil discovered by the site along with deionized water indicating the possibility of dumpling by industry sometime during the dumps lifetime.

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The bottom-line is it was evident from the beginning that the MDEQ didn't want to deal with the issue and did everything they could **to not find evidence** that would require further action on their part. In the end, I unenthusiastically accepted five years of water testing by the agency because it was apparent that they would not properly remedy the situation. That said, as it stands now others downstream who use the same aquifer are unaware of how the situation was handled and the potential for chemicals to reach their wells within the ten year water movement. Again this is a high recharge area for the aquifer – meaning rain and snow melt saturate the area thereby significantly increasing the infiltration of water into the soil and subsequent leaching of embedded chemicals into the aquifer.

There are three primary MDEQ employees that were complicit in an attempt to conceal what transpired: Bryce Feighner, Fred Sellers, and Lee Anne Thor. As stated I have video, email, and other documents that support my accusations.

I look forward to talking about possible remedies and await your response.

Respectfully,

[redacted]
Mattawan

From: [redacted]<petitions@moveon.org>
Sent: Thursday, December 31, 2015 10:58 AM
To: Snyder, Rick (GOV)
Subject: 70 signers: Tell Michigan Governor, Rick Snyder, to declare a state of emergency! petition

Dear Governor Rick Snyder,

I started a petition to you titled *Tell Michigan Governor, Rick Snyder, to declare a state of emergency!*. So far, the petition has 70 total signers, **49 of whom are constituents of yours**.

You can post a response for us to pass along to all of your constituents who have signed the petition by clicking here: http://petitions.moveon.org/target_talkback.html?tt=tt-104227-governor-MI-20251231-fHzMtC

The petition states:

> "A state-appointed emergency manager opted to sever a contract with the Detroit Water and Sewerage Department (DWSD), and Flint started sourcing corrosive water from the Flint River. As a result, Flint residents suffered through a number of catastrophic water quality issues — coliform bacteria, cancer-causing trihalomethanes and lead — before the state agreed to switch back to DWSD water Governor Snyder must own his administration's negligent role in this public health crisis and declare a state of emergency. Flint residents need YOUR support. Sign your name NOW."

To download a PDF file of all your constituents who have signed the petition, including their addresses, click this link: http://petitions.moveon.org/deliver_pdf.html?job_id=1697473&target_type=governor&target_id=MI

To download a CSV file of all of your constituents who have signed the petition, including their addresses, click this link:
http://petitions.moveon.org/deliver_pdf.html?job_id=1697473&target_type=governor&target_id=MI&csv=1

Thank you.

[redacted]

If you have any other questions, please email petitions@moveon.org.

The links to download the petition as a PDF and to respond to all of your constituents will remain available for the next 14 days.

This email was sent through MoveOn's petition website, a free service that allows anyone to set up their own online petition and share it with friends. MoveOn does not endorse the contents of petitions posted on our public petition website.

From: Durfee, Sally (GOV)
Sent: Wednesday, February 04, 2015 4:30 PM
To: Posthumus, Dick (GOV)
Subject: FW: Flint/Rep Neely

It was not the letter that had the riot issue - it came out of his one on one meeting with people from Department of Treasury.

-----Original Message-----
From: Connors, Paul (Treasury)
Sent: Thursday, January 29, 2015 11:24 AM
To: Durfee, Sally (GOV)
Subject: Flint/Rep Neely

Wayne and I met with him regarding Flint water; said he was sending letter to Gov and cc Dick; basically said Flint will riot unless treasury has better oversight over EMs and treasury restructures a bond deal and directs more $ to water treatment

From: [redacted]<petitions@moveon.org>
Sent: Thursday, December 31, 2015 10:58 AM
To: Snyder, Rick (GOV)
Subject: 70 signers: Tell Michigan Governor, Rick Snyder, to declare a state of emergency! petition

Dear Governor Rick Snyder,

I started a petition to you titled *Tell Michigan Governor, Rick Snyder, to declare a state of emergency!*. So far, the petition has 70 total signers, **49 of whom are constituents of yours**.

You can post a response for us to pass along to all of your constituents who have signed the petition by clicking here: http://petitions.moveon.org/target_talkback.html?tt=tt-104227-governor-MI-20251231-fHzMtC

The petition states:

> "A state-appointed emergency manager opted to sever a contract with the Detroit Water and Sewerage Department (DWSD), and Flint started sourcing corrosive water from the Flint River. As a result, Flint residents suffered through a number of catastrophic water quality issues — coliform bacteria, cancer-causing trihalomethanes and lead — before the state agreed to switch back to DWSD water Governor Snyder must own his administration's negligent role in this public health crisis and declare a state of emergency. Flint residents need YOUR support. Sign your name NOW."

To download a PDF file of all your constituents who have signed the petition, including their addresses, click this link: http://petitions.moveon.org/deliver_pdf.html?job_id=1697473&target_type=governor&target_id=MI

To download a CSV file of all of your constituents who have signed the petition, including their addresses, click this link:
http://petitions.moveon.org/deliver_pdf.html?job_id=1697473&target_type=governor&target_id=MI&csv=1

Thank you.

[redacted]

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From: Wurfel, Sara (GOV)
Sent: Wednesday, October 31, 2012 12:34 PM
To: Snyder, Rick (GOV)
Cc: Muchmore, Dennis (GOV); Roberts, John (GOV); Scott, Allison (GOV); Lasher, Geralyn (GOV); Silfven, Ken (GOV)
Subject: FW: Genesee Co water supply project TODAY's FLINT JOURNAL
Attachments: Genesee County Water issue.doc; Flint Emergency Manager Michael Brown says selling city water and sewer systems cant be ruled out.docx

Importance: High

Governor --

Just wanted you to be aware of a potential issue -- Genesee Co. water supply -- that you may get asked about today from Flint media.

Recent news articles below and one attached from earlier this year that talks about then Emergency Manager's Mike Brown's comments. Also, attached is brief history and timeline from DEQ and a quick summary below from Treasury as they'll be meeting with Flint and Detroit officials tomorrow.

Bottom line: this has been an ongoing issue and sets up potential conflict between these two communities. Many Flint and Genesee Co. officials say it will save the city and region much money; Detroit says it won't be cost-effective and is very much opposed. Treasury will be getting the details tomorrow of the proposed pipeline plan and doesn't have an opinion yet. Because of the EM situation and particulars, it requires state approval for Flint to participate. Without Flint's participation, rest of area likely can't cover. Though sounds like EM Kurtz is now leaning toward moving in the pipeline direction. Treasury recommends a very high level response at this time. We agree.

Please let us know if there's anything else you may need or want on this front.

Officials from Flint, Genesee County, Detroit to meet with state treasury on region's water future, officials say (Oct. 31)
http://www.mlive.com/news/flint/index.ssf/2012/10/officials_from_genesee_county.html

Building an intake is one of four giant steps toward building water pipeline (Oct. 28)
http://www.mlive.com/news/flint/index.ssf/2012/10/pipeline_timeline_heres_what_t.html

Genesee County approves borrowing $35 million to build Lake Huron water pipeline intake
http://www.mlive.com/news/flint/index.ssf/2012/10/genesee_county_puts_up_35_mill.html

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From: Buhs, Caleb (Treasury)
Sent: Wednesday, October 31, 2012 11:46 AM
To: Wurfel, Sara (GOV); Stanton, Terry A. (Treasury)
Subject: RE: Genesee Co water supply project TODAY's FLINT JOURNAL

The article is correct, we will be meeting with both proponents and opponents of the potential pipeline project. There isn't much to say at this point, Treasury does not have an opinion yet, as we will be getting the full briefing tomorrow.

Here is what we know:

-A group is proposing a water pipeline from Lake Huron to the Flint Metro area, which would eliminate the need to purchase water from Detroit Water and Sewer Department (DWSD).

-The design and cost estimates have yet to be completed.

-The City of Flint has contributed about $25-30k towards the costs of the studies.

-DWSD is opposed to the plan for the obvious reason that they would lose customers. DWSD officials have pointed out that a study was done in the 90's that concluded that a project of this nature would not be cost effective.

-This would allow Flint to control their own water costs and quality and provide opportunities for industrial growth.

Since Treasury officials have not been briefed on all the information yet, I would keep the statement from the Governor rather high-level, something like:

Treasury officials are meeting tomorrow to get the details of the proposed pipeline plan. Until the ultimate costs are known and the various studies have been conducted, the benefits to the citizens of Flint and Genesee County cannot be determined.

Feel free to call me if you have any questions.

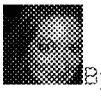
Caleb

From: Wurfel, Sara (GOV)
Sent: Wednesday, October 31, 2012
To: Buhs, Caleb (Treasury); Stanton, Terry A. (Treasury)
Subject: FW: Genesee Co water supply project TODAY's FLINT JOURNAL
Importance: High

Per our quick conversation earlier, Caleb. Any update you can provide ASAP from Treasury role and perspective will be great.

From: Wurfel, Brad (DEQ)
Sent: Wednesday, October 31, 2012
To: Wurfel, Sara (GOV)
Subject: RE: Genesee Co water supply project TODAY's FLINT JOURNAL

Officials from Flint, Genesee County, Detroit to meet with state treasury on region's water future, officials say



By Kristin Longley | klongley1@mlive.com The Flint Journal
on October 31, 2012 at 7:16 AM, updated October 31, 2012 at 7:17 AM
Email | Print

Brought to you by

Flint water treatment plant *Ryan Garza | MLive.com file photo*

GENESEE COUNTY, MI -- In a meeting of all the major stakeholders, the city of Flint is expected to make its case to the state Thursday that joining a regional effort to build **a new pipeline from Lake Huron** is the best option for Flint's future water.

The meeting is expected to include representatives from Flint emergency financial manager Ed Kurtz's administration as well as the Genesee County Drain Commissioner's Office, Detroit Water and Sewerage Department and thr Michigan Treasury department, Flint officials said this week.

"The state is looking to bring all the parties to one place to look at the numbers," said Howard Croft, Flint's director of infrastructure. "All the pros and cons and all the people involved will be in the room."

Flint and Genesee County have been getting water from Detroit under a 30-year contract that is now expired, and are looking to break away because of continuing price increases.

Officials with the Flint emergency manager's office have been exploring several options for water since the city was taken over by the state in December. The options included treated Flint River water as well as blending Detroit water with Flint River water.

Now, Flint authorities say joining with Genesee County officials on **building a new pipeline from Lake Huron** is the best bet in order to stabilize Flint water rates over the long term.

The pipeline would service a wider region that could also include Lapeer, Sanilac County and Lapeer County, called the Karegnondi Water Authority.

"We're comfortable with the work we've done. We believe the numbers bear out," Croft said. "This is taking it to the next level, taking it to the state and saying these are our options."

Kurtz said that, under the emergency financial manager law, the state treasurer has to sign off on any deal more than $50,000 -- which certainly applies to the pipeline project that's expected to cost the three-county region up to $300 million.

The Genesee County Board of Commissioners took steps last week to borrow up to $35 million to cover the initial construction costs for the pipeline.

Genesee County Drain Commissioner Jeff Wright said he was asked to attend the meeting Thursday in Lansing. He said his office will be glad to be there to answer any questions about the KWA proposal.

County officials claim that continuing to buy water from the city of Detroit will cost the region $2.1 billion during the next 25 years. By building a pipeline, that cost would no more than $1.9 billion over the same period.

"It's cheaper to build our own system than to continue to pay more and more to the city of Detroit," Wright said. "This is about the least expensive way for our people to get the best quality water."

Croft said the Flint River isn't the best option for Flint's primary source because of concerns about capacity during drought conditions and questions about what the city and county would rely on as their state-required backup source, which is currently the river.

If the city were to make the Flint River its primary source, major upgrades would have to be made to the dams and other infrastructure, Croft said.

Blending river water with Detroit water would still leave Flint vulnerable to future rate increases from Detroit, he said.

Going with the KWA pipeline, on the other hand, would mean a fixed water cost, Croft said.

"A lot of things are conditional (with blending)," Croft said. "That's not a good scenario for us. We're looking for a long-term solution not a short-term one."

Still, no decisions have been finalized, he said.

"The state has to support any decision of this magnitude," he said. "This is about us making the best-informed decision we can make

Brad Wurfel
Communications Director

Michigan Department of Environmental Quality
517-241-7395 - office
[redacted] – cell

From: Milne, James (DEQ)
Sent: Wednesday, October 31, 2012
To: Wurfel, Brad (DEQ)
Cc: Fisher, Brant (DEQ); LeBaron, Andrew (DEQ)
Subject: Genesee Co water supply project

See if the attached files give you what you need. Brant Fisher & Andy LeBaron are probably the best people to talk to about this project.

Jim Milne, Great Lakes Shorelands Unit Chief
Water Resources Division
MI Dept. of Environmental Quality
ph: 517-373-4608 fax: 517-373-6917
e-mail: milnej@michigan.gov

Genesee County Water issue

BACKGROUND

The Division of Water and Waste Services, Genesee County Drain Commissioner (GCDC) operates a regional water system that presently serves 154,000 residents in 19 townships and communities in Genesee County.

The GCDC purchases water from the City of Flint, which is supplied by the Detroit Water and Sewage Department.

Genesee County and the City receive water via a single 72-inch diameter transmission pipeline from the DWSD Lake Huron treatment plant. This pipeline was constructed over 40 years ago and has historically been very reliable. However, there have been recent repairs that underscore the need for additional facilities to ensure water service to the public.

In addition to the potential reliability problems with the existing pipeline, **both the City and Genesee County continue to resist rate increases from DWSD**. Both parties have historically disputed proposed rate increases, and have often discussed or investigated alternative sources for drinking water.

CHRONOLOGICAL SUMMARY OF EVENTS

February 12, 2009: Original submittal of the GCDC application under Part 327 of Act 451, Great Lakes Preservation, for a new withdrawal capacity of 85 million gallons per day (MGD) with a request the DEQ commence with the evaluation and public notice process was received by the Water Bureau (WB). Information was submitted in accordance with Part 327 and GL Charter/Compact requirements for "proposals subject to prior notice and consultation."

March 4, 2009: At the request of the Office of the Great Lakes (OGL), MDEQ, the GCDC was asked to provide additional information in accordance with "Preliminary – Temporary Great Lakes-St. Lawrence River Basin Water Resources Compact Rules."

April 6, 2009: Amended package of information received by the WB. Information was submitted in accordance with above mentioned rules.

April 24, 2009: MDEQ correspondence transmitted to the GCDC informing them of the "completeness of application." GCDC was notified of DEQ intent to conform with the Part 327 requirements for a public comment period of 45 days and the rendering of a decision on the permit application within 120 days. August 24, 2009 established as the deadline for rendering a decision.

May 26, 2009: In the spirit of the Great Lakes-St. Lawrence River Basin Water Resources Agreement (Agreement) and the Great Lakes-St. Lawrence River Basin Water Resources Compact (Compact), the OGL provided notice of the proposed withdrawal to states, provinces and Indian Nations and transmits amended application packet. The OGL requests comments by July 20, 2009 in order for DEQ to meet statutory obligations of Part 327.

May 28, 2009: WB transmits to GCDC a copy of the public notice with cover letter requesting the posting of notice on GCDC premises and at the shoreline property parcel in Sanilac County (location of shore well and pumping station). WB received from GCDC correspondence dated June 4, 2009 affirming compliance with posting requirements.

July 15, 2009: Public comment period on Part 327 permit application ends.

July 20, 2009: Comment period relative to the Agreement/Compact ends.

August 24, 2009: Part 327 statutory deadline for rendering a decision on the GCDC permit application.

Flint Emergency Manager Michael Brown says selling city water and sewer systems can't be ruled out

By Ron Fonger | rfonger1@mlive.com The Flint Journal
January 29, 2012 at 8:00 AM

FLINT, Michigan -- The city's emergency manager is considering selling off Flint's water and sewer plants to the highest bidder, potentially generating a one-time windfall of millions of dollars to help steady the city's shaky finances.

Emergency Manager Michael Brown confirmed that a sale of the plants is among the options under review by his office and said he is "nowhere near a decision on that."

"We have said everything is on the table," Brown said. "Examining our assets (is) all part of the analysis."

Brown isn't discussing specifics, including whether a sale might involve the entire water and sewer systems, including the pipes that carry waste and water to homes and businesses.

Word that Brown was considering such a sale came from Genesee County officials, who believe the move would complicate and set back the proposed water pipeline to Lake Huron.

County Board of Commissioners Chairman Jamie Curtis wrote to Brown Jan. 23, saying he was "worried that if Flint is considering sale of this asset, that there will be adverse impact on the Karegnondi (Water Authority) project."

Flint joined the Karegnondi Water Authority with the city of Lapeer as well as Genesee, Lapeer and Sanilac counties, but has yet to sign a capacity agreement, spelling out how much raw water it will commit to buying.

"The only thing holding back a construction start is Flint's signed capacity agreement," Curtis' letter to Brown said.

As it's designed now, the pipeline has the capacity to carry 85 million gallons of water each day from Lake Huron to the Karegnondi communities.

Curtis called the pipeline "one of the most important economic initiatives currently underway" and asked Brown to commit the city to it "as soon as you are able."

"We cannot miss another construction season for the project," the letter says.

Brown said he's aware "the county wants (a decision) as soon as possible. We are doing everything we can to (do) it fast."

Brown said the city is not currently involved in talks with a specific potential buyer for its water and sewer systems.

Flint Councilman Scott Kincaid said several council members agreed with Mayor Dayne Walling that the city should commit to purchase up to 25 million gallons per day from the pipeline.

But since Brown was appointed emergency manager by Gov. Rick Snyder, Walling and the council no longer have authority to make such decisions.

"I think (Brown) is just looking," Kincaid said of discussion about selling the water and sewer plants. "People get appraisals on their houses. It doesn't mean they are going to sell them."

The councilman said he hasn't been told that the water and sewer sales were under discussion and compared the idea to privatizing garbage collection, leaving city residents at the mercy of for-profit company.

"It's not something I would do," Kincaid said. "I think we are better off coming up with an agreement for the KWA."

County Drain Commissioner Jeff Wright said he knows the city's is investigating a sale of its plants because he was asked if the county would be interested in buying.

"I said no," Wright said, adding that his office might have interest in operating the city's water and sewer systems as an alternative.

"The city should keep its facilities," Wright said. "It's self-sustaining (and) one of the only assets that generates (positive revenue)."

The drain commissioner said he believes Brown will decide that committing to the water pipeline is in the city's best option.

Although no purchase price was discussed, Wright said both the water and sewer plants would cost in excess of $50 million to replace.

Wright said the KWA pipeline project wouldn't automatically collapse if Flint decided to drop out as a partner but said the project would have to be re-evaluated and possibly down-sized.

The drain commissioner said he prefers to wait -- even if it takes until the second half of 2012 -- for Brown to make a decision he's comfortable rather than pressuring him to make a decision quickly.

County officials have advocated for the pipeline because of rising prices for treated drinking water that is currently pumped here by the city of Detroit.

Assuming water use is static and that the city of Detroit takes on no new debt, Wright said he anticipates the cost to Flint and Genesee County will rise from $22.3 million in 2012 to $35.3 million by 2016.

From: Hollins, Harvey (GOV)
Sent: Friday, April 25, 2014 4:27 PM
To: Snyder, Rick (GOV); Muchmore, Dennis (GOV)
Subject: Fw: PRESS RELEASE: Flint Officially Begins Using River
Attachments: Flint.River.Transition.4.25.14.pdf

Best,
Harvey Hollins

-----Original message-----

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Fri, Apr 25, 2014 20:23:43 GMT+00:00
Subject: PRESS RELEASE: Flint Officially Begins Using River

For Immediate Release

City of Flint Officially Begins Using Flint River as Temporary Primary Water Source

Flint, Michigan – April 25, 2014 – For the first time in fifty years, the City of Flint is using the Flint River—part of the Saginaw River watershed—as a primary water source for city residents. Today the valve to the pipeline from Detroit was closed and the Flint River officially became Flint's water supply. The temporary switchover is scheduled to support the city's primary water needs for the next two years while construction of the forthcoming pipeline from Lake Huron is completed by Karegnondi Water Authority. Officials from the City of Flint, the Genesee County Drain Commission and the Michigan Department of Environmental Quality were all on hand to witness the historic event.

The Flint River was once the primary source of water for city residents up to the 1960s. Over the past 40 years, it has provided water to city residents as a back-up to water provided to us by Detroit. During

our partnership with Detroit, Flint has had to transition to the use of the Flint River for residential water on a few different occasions, with the most recent temporary switchover happening in 2009. Each temporary stint on local water proved three things to city employees and residents alike: That a transition to local river water could be done seamlessly, and that it was both sensible and safe for us to use our own water as a primary water source in Flint.

Even with a proven track record of providing perfectly good water for Flint, there still remains lingering uncertainty about the quality of the water. In an effort to dispel myths and promote the truth about the Flint River and its viability as a residential water resource, there have been numerous studies and tests conducted on its water by several different independent organizations. In addition to what has been found in independent studies, it is also the responsibility of the City of Flint Water Service Center to continually test the water provided to city residents. Michael Prysby of the Michigan DEQ Office of Drinking Water verified that "the quality of the water being put out meets all of our drinking water standards and Flint water is safe to drink."

For nearly 10 years Mike Glasgow has worked in the laboratory at the City of Flint Water Service Center. He has run countless tests on our drinking water to ensure its safety for public use. Mike has not only conducted tests on water provided to us by Detroit, but also on local water from nearby rivers, lakes and streams including the Flint River. When asked if over the last decade if he has seen any abnormalities of major concern in the water, his response was an emphatic, "No." In his words, "there has been nothing seen that was of major concern," during his ongoing tenure working in the lab. "The tests results have shown that our water is not only safe, but of the high quality that Flint customers have come to expect," announced DPW Director Howard Croft, "we are proud of the end result."

Apart from the water plant's devotion to ensuring that our water is good, Flint is doubly blessed in having the Flint River Watershed Coalition as a separate organization dedicated to monitoring the overall welfare of local bodies of water, overseeing more than 30 different nearby locations. Rebecca Fedewa has been director of the watershed coalition since 2008. By virtue of her passion for her work and her position on the board, she is very conversant with the condition of the Flint River. In her words, "The Flint River is increasingly healthy, and completely suitable as a drinking water source." Fedewa and FRWC are working closely with the city "to monitor flows and habitats between the intake and the waste water treatment plant to ensure there are minimal to no impacts to the overall health of the river."

FRWC also invites city residents to be a part of their monitoring exercises during this spring in order "to gain firsthand knowledge in the health and vitality of our Flint River." Mayor Dayne Walling invited everyone at today's event to toast to Flint's water. "It's regular, good, pure drinking water, and it's right in our backyard," said Mayor Walling, "this is the first step in the right direction for Flint, as we take this monumental step forward in controlling the future of our community's most precious resource."

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Darnell Earley
ICMA-CM, MPA
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
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–CONTINUE–

Darnell Earley
ICMA-CM, MPA
Emergency Manager

Dayne Walling
Mayor

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–CONTINUE–

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–END–

From: Paciorek, Josh (GOV)
Sent: Thursday, October 01, 2015 8:02 PM
To: Snyder, Rick (GOV)
Cc: Scott, Allison (GOV); Agen, Jarrod (GOV)
Subject: Flint water handouts/posters
Attachments: FlintWater_ActionPlan_100115.pdf; FlintWater_Tips_100115.pdf

Governor,

For review, these two attachments are the handouts and posters that will be used tomorrow. Both attachments didn't come through in Jarrod's previous email.

Josh

TAKING ACTION ON FLINT WATER

www.mi.gov/FlintWater

- The Action Plan -

- Testing in Flint public schools immediately to ensure that **drinking water is safe**, with testing also available at no cost to any other school in Flint.
- **Expanding health exposure testing** of individual homes.
- **Offering free water testing** to Flint residents to assure their drinking water is safe.
- **Accelerating corrosion controls** in the Flint drinking water system.
- **Expanding a Safe Drinking Water Technical Advisory Committee** to ensure the best technology, practices and science are being followed by adding an expert from the Environmental Protection Agency's Office of Research and Development to the group.
- **Accelerating water system improvements** to address replacing lead service lines.
- Expediting the completion of the **Karegnondi Water Authority** pipeline.
- Naming Dr. Eden Wells, chief medical executive for the Michigan Department of Health and Human Services, as the **Flint drinking water public health adviser**.
- **Providing water filters** to residents with concerns or who are included in state assistance programs.
- Creating a **comprehensive lead education program** to make sure residents have detailed information about how to protect themselves and their homes.

To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6537 and then prese 1.
You can also email flintwater@cityofflint.com

Visit www.mi.gov/FlintWater for more information

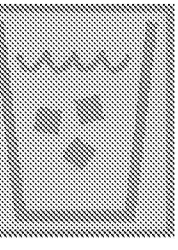
TAKING ACTION ON FLINT WATER

www.mi.gov/FlintWater

- Tips for Flint Residents -

Lead plumbing is common in homes built prior to 1986, and anyone in the state with lead pipes in their home can take some extra precautions to minimize lead in their drinking water.

1. Get your water tested at no cost to ensure water is safe. **To get your water tested**, please call the City of Flint Water Plant at (810) 787-6537 and then press 1.

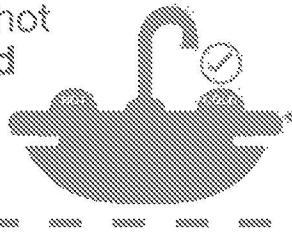


2. To ensure safe drinking water, you can also get a free filter. Please visit **mi.gov/FlintWater** to find where you can get a free filter.

3. It takes time for lead to accumulate in drinking water from plumbing, and so **flushing your pipes prior to using them** can significantly reduce your exposure.

- To flush your pipes, run the water until it is as cold as it will get. This can take as little as 30 seconds if you have just run the toilet or otherwise used water in your home, or as long as 2 to 3 minutes if you have not used any water in hours.
- In the City of Flint, **running the water for 3 minutes costs between 3 and 16 cents.**

4. Additionally, more lead gets into hot water than cold water. **Use only cold water for drinking, cooking and making baby formula.**



To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.
You can also email flintwater@cityofflint.com

Visit **www.mi.gov/FlintWater** for more information

From: Muchmore, Dennis (GOV)
Sent: Friday, October 02, 2015 9:12 AM
To: Snyder, Rick (GOV)
Cc: Agen, Jarrod (GOV)
Subject: Fwd: follow up

I stress the "Ballpark" nature of this estimate.

Sent from my iPhone

Begin forwarded message:

> **From:** "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>
> **Date:** October 1, 2015 at 8:25:53 PM EDT
> **To:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Khouri, Nick (TREASURY)" <KhouriN@michigan.gov>
> **Cc:** "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>
> **Subject: Fw: follow up**
>
> Dennis - in response to your earlier email; Wayne's guys came up with a ballpark estimate for reconnecting to DWSD. Let me emphasize 'ballpark'. They used your assumptions & they talked to Natasha H. after 5:00. Bottom line... the estimated cost is approx $10.5mm to reconnect until June '16.
>
> These numbers on their surface seem much improved over previous DWSD $offers. [Is Daddow in the loop on this ?] We need to give some more thought as to whether this is all inclusive. e.g., there might be some costs from turning down operations at the plant
>
> I am being told this can happen in a relatively short time i.e., less than a week. Which seems aggressive. Obviously that does not mean the lead concerns nor discolored water, etc goes away in a week. The pipe section they sold to the county won't be an impediment to this deal.
>
> There apparently are no 'upfront' costs we need to worry about. In theory, it seems like it can be paid over the 9-10 months (vs a lump sum). But I am not clear Dennis on those couple ideas/sources the Mayor & Senator mentioned i.e., at this point I am not sure where the $10.5mm comes from.
>
> My guess is we will keep refining this estimate. Let us know if you need anything else. Again, "credit " Wayne's guys for pulling this together quickly.

From: Cline, Richard (Treasury)
Sent: Thursday, October 1, 2015 6:08 PM
To: Saxton, Thomas (Treasury); Koryzno, Edward (Treasury); Byrne, Randall (Treasury)
Subject: RE: follow up

City's usage is 14 MGD/Day

Timeline is 9 months until June 2016

Fixed Cost is $662,100 for 9 months or $5,958,900

Commodity Rate is $501,383/month

Total Monthly Cost is $1,163,483

Cost until June 2016 is $10,471,347

The City does not know the cost to move the water plant into stand-by mode. However, they have indicated that there might be some reduced costs as lower chemical costs will be incurred.

Eric Cline | Department Manager | State of Michigan
Michigan Department of Treasury | Local Government Financial Services Division | Fiscal Responsibility Section
430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
Lansing Office (517) 335-2078 | Cell Phone [redacted] | Traverse City Office (231) 922-5228
E-mail cliner1@michigan.gov

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From: Saxton, Thomas (Treasury)
Sent: Thursday, October 01, 2015 6:01 PM
To: Cline, Richard (Treasury) <cliner1@michigan.gov>; Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Byrne, Randall (Treasury) <ByrneR1@michigan.gov>
Subject: follow up
Importance: High

I am getting ready to leave… what have you learned ?

From: Paciorek, Josh (GOV)
Sent: Friday, October 02, 2015 10:31 AM
To: Snyder, Rick (GOV)
Cc: Scott, Allison (GOV); Agen, Jarrod (GOV)
Subject: Updated Flint Water posters/infographics
Attachments: FlintWater_ActionPlan_100115.pdf; FlintWater_Tips_100115.pdf

Governor,

Attached are the updated infographics/posters with the action items reordered the way you suggested.

Josh

TAKING ACTION ON FLINT WATER

www.mi.gov/FlintWater

- The Action Plan -

- Testing in Flint public schools immediately to ensure that **drinking water is safe**, with testing also available at no cost to any other school in Flint.
- **Offering free water testing** to Flint residents to assure their drinking water is safe.
- **Providing free water filters** to residents with concerns or who are included in state assistance programs.
- **Expanding health exposure testing** of individual homes.
- **Accelerating corrosion controls** in the Flint drinking water system.
- **Accelerating water system improvements** to address replacing lead service lines.
- Expediting the completion of the **Karegnondi Water Authority** pipeline.
- **Expanding a Safe Drinking Water Technical Advisory Committee** to ensure the best technology, practices and science are being followed by adding an expert from the Environmental Protection Agency's Office of Research and Development to the group.
- Naming Dr. Eden Wells, chief medical executive for the Michigan Department of Health and Human Services, as the **Flint drinking water public health adviser**.
- Boosting a **comprehensive lead education program** to make sure residents have detailed information about how to protect themselves and their homes.

To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.
You can also email flintwater@cityofflint.com

Visit www.mi.gov/FlintWater for more information

TAKING ACTION ON FLINT WATER

www.mi.gov/FlintWater

- Tips for Flint Residents -

Lead plumbing is common in homes built prior to 1986, and anyone in the state with lead pipes in their home can take some extra precautions to minimize lead in their drinking water.

1. Get your water tested at no cost to ensure water is safe. **To get your water tested**, please call the City of Flint Water Plant at (810) 787-6537 and then press 1.

2. To ensure safe drinking water, you can also get a free filter. Please visit **mi.gov/FlintWater** to find where you can get a free filter.

3. It takes time for lead to accumulate in drinking water from plumbing, and so **flushing your pipes prior to using them** can minimize your exposure.

- To flush your pipes, run the water until it is as cold as it will get. This can take as little as 5 - 30 seconds if you have recently flushed the toilet or otherwise used water in your home, or as long as 2 to 3 minutes if you have not used any water in hours.
- In the City of Flint, **running the water for 5 minutes costs between 3 and 16 cents.**

4. Additionally, more lead gets into hot water than cold water. **Use only cold water for drinking, cooking and making baby formula.**

To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.
You can also email flintwater@cityofflint.com

Visit **www.mi.gov/FlintWater** for more information

From: Agen, Jarrod (GOV)
Sent: Friday, October 02, 2015 10:35 AM
To: Snyder, Rick (GOV)
Cc: Scott, Allison (GOV)
Subject: Re: Flint

Josh just sent infographics.
On filters -- Dan Wyant just called to tell me we can announce $1 million for filters out of a settlement fund in DEQ. Will be put into supplemental approps bill next week.
I'll get more on timing of availability.
Gettings answers on these others too.

> On Oct 2, 2015, at 7:12 AM, Snyder, Rick (GOV) <[redacted]> wrote:
>
> Do we have updated infographs?
>
> Do we have an answer as to how to reconcile what Genesse County said yesterday with what we are saying today?
>
> Any more info on the timing of filter availability?
>
> Best way to talk about discussions with GLWA?
>
> Thanks
> Rick
>
> Sent from my iPad

From: Muchmore, Dennis (GOV)
Sent: Friday, October 02, 2015 10:39 AM
To: Snyder, Rick (GOV)
Cc: Agen, Jarrod (GOV)
Subject: Question to consider

It appears on the surface (without the deep dive we'll definitely do on it) that for $11M we can reconnect to DWSD system for the intervening time before KWA comes on line. That may well be the only way to bring any confidence back to the community. If you choose to do so, what if we created or expanding some revolving fund where Flint wouldn't have to start repaying until 2020 or whenever in the future to stretch the liability? If we needed to have a guarantee perhaps we could use the Escheats of the bottle bill money as a set aside or guarantor without having to touch the principal?

From: Muchmore, Dennis (GOV)
Sent: Friday, October 02, 2015 11:05 AM
To: Snyder, Rick (GOV)
Cc: Agen, Jarrod (GOV)
Subject: Re: Question to consider

Ok. Walling, Ananich and Kildee are pushing privately for that to be considered. We'll collect as much info as possible. Dayne is setting up a meeting with DWSD on his own and I thought that his initiation without our encouragement or leadership was the right way to approach it. I just told Dayne to be careful about some twist that hasn't yet been considered.

> On Oct 2, 2015, at 10:57 AM, Snyder, Rick (GOV) <[redacted] wrote:
>
> We should help get all of the facts on the consequences of changing back vs. staying and then determine what financing mechanisms we have available. If we can provide the financing, then we should let Flint make the decision.
>
> Thanks
> Rick
>
> Sent from my iPad
>
>> On Oct 2, 2015, at 7:38 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>>
>> It appears on the surface (without the deep dive we'll definitely do on it) that for $11M we can reconnect to DWSD system for the intervening time before KWA comes on line. That may well be the only way to bring any confidence back to the community. If you choose to do so, what if we created or expanding some revolving fund where Flint wouldn't have to start repaying until 2020 or whenever in the future to stretch the liability? If we needed to have a guarantee perhaps we could use the Escheats of the bottle bill money as a set aside or guarantor without having to touch the principal?

From: Muchmore, Dennis (GOV)
Sent: Friday, October 02, 2015 3:11 PM
To: Snyder, Rick (GOV)
Cc: Agen, Jarrod (GOV)
Subject: RE: Question to consider

In process. Treasury may hire an outside water engineer to assist.

-----Original Message-----
From: Snyder, Rick (GOV)
Sent: Friday, October 2, 2015 12:33 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: Re: Question to consider

We need Treasury to work with Dan and Flint on a clear side by side comparison of the health benefits and costs of GLWA vs. a more optimized Flint system. Also, we need to look at what financing mechanisms are available to Flint to pay for any higher cost actions. Please get people working on these two issues ASAP.

Thanks
Rick

Sent from my iPad

> On Oct 2, 2015, at 8:04 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>
> Ok. Walling, Ananich and Kildee are pushing privately for that to be considered. We'll collect as much info as possible. Dayne is setting up a meeting with DWSD on his own and I thought that his initiation without our encouragement or leadership was the right way to approach it. I just told Dayne to be careful about some twist that hasn't yet been considered.
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>> Thanks
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>>
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>>>
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perhaps we could use the Escheats of the bottle bill money as a set aside or guarantor without having to touch the principal?

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 22, 2015 9:34 AM
To: Snyder, Rick (GOV)
Cc: Scott, Allison (GOV)
Subject: Flint water

Ananich wants you to add Carl Levin to the task force on Flint Water. You might want to consider that. Carl isn't going to go to every meeting, he's a pretty fair individual with a long relationship with Sikkema and Kolb, and, Ananich can hardly balk at the findings if Carl is inside the tent.

From: Ken Sikkema <[redacted]
Sent: Monday, December 07, 2015 3:31 PM
To: Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein; Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force Recommendation
Attachments: KRS version of Snyder Letter 2 (1).docx

Dear Governor Snyder:

We want to thank you for the recent conference call between members of the Flint Water Advisory Task Force (FWATF), yourself, and members of your administration. Attached is a follow-up letter to that conference call outlining an initial set of recommendations that we believe should be implemented in the very near future to focus the state's efforts to protect the public health in Flint.

We both acknowledge and appreciate your personal interest in this issue and your commitment, not only to assisting the Task Force in our review, but--most importantly--to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully,

Ken Sikkema

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 5[redacted]
[redacted]

December 7, 2015

Dear Governor Snyder:

On Wednesday, November 18, 2015, the Flint Water Advisory Task Force met with representatives of the Michigan Department of Environmental Quality (MDEQ) and the Michigan Department of Health and Human Services (MDHHS) to discuss elements of the 10-point Action Plan designed to address various issues related to the ongoing public health protection challenges precipitated by lead in the Flint water supply. These discussions were held at our request as part of our task to make recommendations to prevent a similar occurrence in Flint or elsewhere, and also to monitor ongoing mitigation efforts.

Subsequent to those meetings, on Tuesday, November 24, 2015, members of the Task Force participated in a conference call with yourself, members of the Administration, and representatives of these agencies to discuss the progress to date on the 10-point Action Plan, as well as several other related issues.

We want to acknowledge the steps that have already been taken to implement the action plan, specifically in the areas of outreach efforts to facilitate blood lead testing for children, communication with health care providers in the Flint community about the importance of testing children for lead, and the training of additional public health nurses in the Genesee County Health Department. We do believe, however, that additional steps need to be taken to reach additional children for blood lead testing, assure proper follow-up with children found to have elevated blood lead levels, and to continue water testing. We will continue to assess state and local efforts and make recommendations regarding specific steps that we believe are warranted.

One primary concern we have at this point is that the current efforts appear to be taking place in the absence of a larger project coordination framework that measures results and clearly delineates responsibilities for continuing actions to protect public health. We believe the state is best positioned to facilitate this larger framework, which should address the following:

1. The need for MDHHS and MDEQ—and, possibly, other state agencies--to set **goals** for actions in collaboration with local and federal agencies and organizations.
2. The need for a set of corresponding **timelines** for the goals.
3. The need to establish **responsibility** for meeting the goals in a timely fashion and for **contingency plans** for the state if the goals are not being met.
4. The need for clear, regular **communication** with the Flint community and stakeholder groups regarding action steps and updates.

We also believe it important that a single person or entity—potentially independent of any one particular state agency and mutually agreeable to this Task Force and you, Governor—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood “dashboard” should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard.

We believe it is vitally important that trusted members of the Flint community be engaged in communication on this issue, as well as the distribution of information conveyed by our suggested dashboard reporting. Accordingly, in advance of our final report, we would like to ensure the independent coordinator suggested above engage trusted community groups to begin rebuilding community trust in state actions.

We appreciate your personal interest in this issue, commitment to assisting the Task Force in our review, and—most importantly—commitment to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully yours,

Flint Water Advisory Task Force:

Dr. Matt Davis

Chris Kolb

Dr. Larry Reynolds

Eric Rothstein

Ken Sikkema

From: Murray, David (GOV)
Sent: Thursday, December 10, 2015 3:56 PM
To: Snyder, Rick (GOV); Agen, Jarrod (GOV); Holland, Meegan (GOV)
Subject: REVIEW, please -- Draft Flint Water Task Force response
Attachments: 2 DRAFT Task Force response.pdf

Good afternoon, Governor,

Here is a draft response, pasted below and attached, to the letter from the Flint Water Task Force, incorporating suggestions from Rich and others. Please let me know if you want changes, and we'll prepare a version on letterhead.

Thank you for your time.

Dave

Dear Flint Water Advisory Task Force Members,

Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.

As acknowledged in your letter, we have taken many steps to address the challenges in Flint as they relate to reducing lead exposure. I am pleased to see the progress since October, and recognize there is more work that must be done to ensure that this progress continues.

At the state level, there has been a confluence of efforts between Michigan Departments of Environmental Quality and Health and Human Services to coordinate with the Genesee County Health Department, local schools, and our partners in the non-profit community.

These partners are making progress, and we know we must always strive to improve practices and communication for continual improvement.

You make a solid suggestion about establishing a person who is independent of any one of the involved state agencies to serve as the point person to coordinate the ongoing work. I am recommending that Harvey Hollins, director of the Office of Urban Initiatives, carry out this effort. Harvey is well-versed in the issues and the challenges faced by our cities and will be effective in this role. Senior members of our executive team will continue to engage with your task force and provide direction and support to Harvey to ensure you will have continued support and cooperation. We also have retained Chris DeWitt, a veteran communications specialist, to strengthen community outreach efforts to make sure residents have access to the information they need.

I also support your suggestion of a dashboard to make information about our work and progress more accessible to the Flint community. These are critical measures that can be used as we look the challenges and progress in Flint, but also can be a part of efforts moving forward in other areas of our state. It's important that people have confidence that we are working to address any problems and will take the necessary actions to improve interaction among city, state and federal agencies. We also will continue to work with the medical community to consider how we can work together on wraparound needs of children who might experience health problems.
People in Flint and across our state deserve safe, clean water. I want them to be confident that the water coming out of their tap is safe for their families. And I want them to trust that their government – at all levels – is working effectively to protect them.

I thank you again for investing your time and expertise in this vitally important effort.

Dave Murray
Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

Flint Water Advisory Task Force Members,

Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.

As acknowledged in your letter, we have taken many steps to address the challenges in Flint as they relate to reducing lead exposure. I am pleased to see the progress since October, and recognize there is more work that must be done to ensure that this progress continues.

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People in Flint and across our state deserve safe, clean water. I want them to be confident that the water coming out of their tap is safe for their families. And I want them to trust that their government – at all levels – is working effectively to protect them.

I thank you again for investing your time and expertise in this vitally important effort.

Regards,

From: Baird, Richard (GOV)
Sent: Thursday, December 24, 2015 10:24 AM
To: Snyder, Rick (GOV); Hollins, Harvey (GOV); Holland, Meegan (GOV); Agen, Jarrod (GOV)
Subject: Today's Briefing
Attachments: FLint Outline of Role and Responsibility.docx; ATT00001.txt

Sorry for the late submission. Been trying to work this issue across various stakeholder groups and balance holiday commitments. Our Agenda (with Harvey adding under "Other":

1. Review HH Role and Responsibility as confirmed with FAATF (attachment (with some revision since meeting)

2. Other AATF Issues

a) schedule a conference call with Governor outlining current status

b) follow up with a letter discussing DEQ and leadership culture findings

c) Imminent Danger Declaration request

d) Concerns with Leadership appointments about to be made and DHHS recent responses/findings

e) Shared confidential plan relative to January 4 personnel actions

3. Discuss communications strategy as envisioned by MH, JA and RB last night (Meegan will be on call--Maybe Jarrod too busy not sure about yet)

4. Other (Harvey Hollins will deal with anything I missed)

Outline of Role and Responsibility—Harvey Hollins
Flint After Action Task Force and Local/County/State Coordination
Key Activities Draft

I. Confirm key stakeholders that should convene on a regular basis to do the following:

   a. Identify resources and support required to manage continued testing, cognitive assessment, updates on progress, impediments, community outreach, etc.

   b. Assess delivery of resources protocols and adjust (door to door, neighborhood centers, etc.)

   c. Agree a communications strategy within the stakeholder community and aggressively inform the residents of Flint of resources available and consequences of inaction.

II. Create a short/medium and long term plan to capture roles and responsibilities at the local, county, state (and federal if appropriate) levels which will be reviewed and approved by the key stakeholder body.

III. Be responsive to mayor, media, residents and all stakeholders about what currently is being done and how the way forward is being envisioned and agreed by stakeholder leadership.

IV. Work to eliminate duplication of effort and ensure that members of the science community engaged in assessing and protecting the public health have unfettered access to data, reports, etc. and establish a mutually agreeable process to surface and resolve conflicting interpretations of data when it occurs.

V. Coordinate with State departments (DHHS, DEQ, Executive Office) to secure funding needed and subject matter resources to ensure long term monitoring and remediation efforts.

VI. Ensure that the recommendations of the After Action Task Force are executed.

VII. Provide weekly status updates to Governor Snyder and members of his team charged with supporting the Chief Coordinator.

VIII. Determine how what is being done in Flint is relevant to other communities and needs to be shared as part of a state wide strategy. This may also impact future policy development to address long term infrastructure remediation.

Thanks,

Rich
Sent from my iPad

From: Ken Sikkema <[redacted]
Sent: Tuesday, December 29, 2015 12:26 PM
To: Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Eric Rothstein; Lawrence Reynolds
Subject: Attached Letter from Flint Water Advisory Task Force
Attachments: FWATF-Snyder Letter %28122915%29.pdf

Dear Governor:

The Flint Water Advisory Task Force, which you appointed on October 21, 2015, has devoted considerable time and effort to our review of the contamination of the Flint Water supply. Our focus has been on assessing what happened, why it happened, and what is needed to prevent any recurrence in Flint or elsewhere in the state We have also, as you know, been assessing on-going mitigation efforts.

Attached is a letter reporting our finding as to who bears the primary responsibility for what happened in Flint. We are sending this letter now because it has become clear to us that ascribing responsibility and ensuring accountability is both critical and urgent, and simply cannot wait for our final report. Establishing responsibility and accountability is the first step in re-establishing the trust between the citizens of Flint and their government and the agencies whose responsibility it is to protect their health. The current level of distrust also serves to compromise the effective delivery of protected services designed to address ongoing public health issues.

Thank you for the support you have given us and your demonstrated commitment to respond to our findings and recommendations.

On behalf of the Task Force

Ken Sikkema

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: [redacted]
[redacted]

December 29, 2015

Dear Governor Snyder:

The Flint Water Advisory Task Force, which you appointed on October 21, 2015, has devoted considerable effort and countless hours to our review of the contamination of the Flint water supply: what happened, why it occurred, and what is needed to prevent a recurrence in Flint or elsewhere in the state. We have also been assessing ongoing mitigation efforts to help assure that short- and long-term public health issues and water management concerns will be properly addressed to safeguard the health and well being of the Flint community.

Shortly after we began our work, we recognized the immediate need for better coordination of the state's response to the ongoing public health issues in Flint, and for assignment of a single person to provide this coordination. We addressed these concerns in a letter to you on December 7, 2015, and you responded with immediate adoption of these recommendations. We thank you for the commitment your response demonstrates.

In our continuing efforts, we have now interviewed numerous individuals at state and local levels; reviewed many documents, articles, and emails; and deliberated repeatedly as a group. Both individually and as a group, we have visited Flint several times during the past several weeks to meet with citizens, public health officials and healthcare providers, individuals who have water management responsibilities at the city and county levels, and other public officials.

It is clear to us, particularly as we listen to the people of Flint, that it is both critical and urgent to establish responsibility for what happened in their community and to ensure accountability. This is a first step in a long process to re-establish the trust they no longer have in their government and the agencies whose responsibility it is to protect their health. It is urgent because this deep distrust of government continues to compromise the effective delivery of protective services designed to address ongoing public health issues. It is for these reasons that we are sending this letter at this time.

We believe the primary responsibility for what happened in Flint rests with the Michigan Department of Environmental Quality (MDEQ). Although many individuals and entities at state and local levels contributed to creating and prolonging the problem, MDEQ is the government agency that has responsibility to ensure safe drinking water in Michigan. It failed in that responsibility and must be held accountable for that failure.

The Safe Drinking Water Act (SDWA) places responsibility for compliance with its requirements on the public water system. In this instance, the City of Flint had the responsibility to operate its water system within SDWA requirements, under the jurisdiction of the MDEQ. The role of the MDEQ is to **ensure** compliance with the SDWA through its regulatory oversight as the primary agency having enforcement responsibility for the Flint water system.

The MDEQ failed in three fundamental ways.

Regulatory Failure

We believe that in the Office of Drinking Water and Municipal Assistance (ODWMA) at MDEQ, a culture exists in which "technical compliance" is considered sufficient to ensure safe drinking water in Michigan.

This minimalist approach to regulatory and oversight responsibility is unacceptable and simply insufficient to the task of public protection. It led to MDEQ's failure to recognize a number of indications that switching the water source in Flint would—and did—compromise both water safety and water quality. The MDEQ made a number of decisions that were, and continue to be, justified on the basis that federal rules "allowed" those decisions to be made. ODWMA must adopt a posture that is driven not by this minimalist technical compliance approach, but rather by one that is founded on *what needs to be done to assure drinking water safety.*

A culture change must occur within ODWMA. It must be driven by a mission that is aspirational regarding the role of the MDEQ in ensuring the safety and the quality of Michigan's drinking water. We believe, and have expressed to MDEQ Director Dan Wyant, that as a Great Lakes State, Michigan should aspire to have the safest drinking water in the nation, rather than merely aiming for technical compliance with regulatory requirements.

Failure in Substance and Tone of MDEQ Response to the Public

Throughout 2015, as the public raised concerns and as independent studies and testing were conducted and brought to the attention of MDEQ, the agency's response was often one of aggressive dismissal, belittlement, and attempts to discredit these efforts and the individuals involved. We find both the tone and substance of many MDEQ public statements to be completely unacceptable. In a real way, the MDEQ represents the public, including the very individuals it treated dismissively and disrespectfully in public statements. We recognize that the agency might disagree with the opinions of others on a variety of issues, including testing protocol, interpretation of testing results, the requirements of federal law and rules, and other matters. What is disturbing about MDEQ's responses, however, is their persistent tone of scorn and derision. In fact, the MDEQ seems to have been more determined to discredit the work of others—who ultimately proved to be right—than to pursue its own oversight responsibility.

Failure in MDEQ Interpretation of the Lead and Copper Rule

The federal Lead and Copper Rule (LCR) is central to what happened in Flint, because that rule, at least theoretically, is designed to prevent lead and copper contamination of drinking water. The federal LCR calls for "optimized corrosion control treatment," which the MDEQ did not require in the switch to the Flint River. Prior to the switch, MDEQ staff instructed City of Flint water treatment staff that corrosion control treatment (CCT) was not necessary until two six-month monitoring periods had been conducted. The need for CCT would be evaluated after the results from those two monitoring periods were reviewed. The decision not to require CCT, made at the direction of the MDEQ, led directly to the contamination of the Flint water system.

The MDEQ seems to have taken different positions on whether it faithfully followed the LCR in the Flint situation. It first maintained that it followed the LCR, then stated that it did not follow the rule properly, and most recently claimed that a federal memorandum issued by the US EPA in early November 2015 suggests that the original MDEQ interpretation was possibly correct.

We are not convinced. Even the MDEQ's latest interpretation of the US EPA's November memorandum is overly legalistic and misunderstands the intent of the LCR, which is to minimize risks of lead and copper exposure for human health.

We believe ODWMA's single-minded legalistic focus is the heart of the problem, and it is part of the "technical compliance" culture described above. ODWMA should not be basing its actions solely on a

legally possible interpretation of the LCR. It should be focusing on how to protect Michigan's citizens from lead in drinking water.

We met with MDEQ Director Wyant on December 16, 2015, to discuss these issues, as well as many others. We note his substantial agreement with many of our conclusions, particularly as it relates to the regulatory failure and the abysmal public response of his agency. It is our understanding that he has drawn similar conclusions in his own evaluation of the MDEQ's role in the Flint water crisis. At the same time, it was disappointing to hear his weak defense of the CCT decision based on the EPA's November 2015 memorandum.

We are not finished with our work. Other individuals and entities made poor decisions, contributing to and prolonging the contamination of the drinking water supply in Flint. As an example, we are particularly concerned by recent revelations of MDHHS's apparent early knowledge of, yet silence about, elevated blood lead levels detected among Flint's children. We also feel it important to further review local government decision processes under emergency management. Our final report will highlight and discuss those concerns, among many others, to provide some context to a comprehensive series of recommendations. **As stated earlier in this letter, however, we believe that establishing responsibility is a critical and urgent need, and one that should not wait for our final report in 2016. Individuals and agencies responsible must be held accountable in a timely fashion.**

It is our hope that the heightened awareness of the dangers of lead poisoning can be an opportunity to make Michigan safer, particularly for its children. Drinking water must be recognized as a potential source of health risk exposure when water lines and fixtures containing lead are disturbed or compromised. Proper testing, not only in high-risk areas but also in facilities serving children (e.g., schools), must be considered. Facilitating long-term financing of a model public health program, and also replacement of lead-containing water service lines and fixtures, would enable Michigan to realize a positive lasting legacy from the tragedy of the Flint water crisis. Our final report will address some of these issues.

The City of Flint's water customers—fellow Michigan citizens—were needlessly and tragically exposed to toxic levels of lead through their drinking water supply. They deserve a commitment to properly assess responsibility and ensure accountability. They also deserve a commitment to needed mitigation in both the short and long term. The Flint water crisis never should have happened. Having failed to prevent it, state government should coordinate a sustained, public-health-focused response to remedy, to the fullest extent possible, the impacts on the Flint community.

Respectfully yours,

Flint Water Advisory Task Force:

Matt Davis
Chris Kolb
Larry Reynolds
Eric Rothstein
Ken Sikkema

From: Reynolds, Lawrence <LawrenceR@mottchc.org>
Sent: Tuesday, December 29, 2015 2:03 PM
To: Ken Sikkema; Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Eric Rothstein
Subject: RE: Attached Letter from Flint Water Advisory Task Force

Thank you.

From: Ken Sikkema [[redacted]]
Sent: Tuesday, December 29, 2015 12:26 PM
To: [redacted]
Cc: Chris Kolb; Matt Davis; Eric Rothstein; Reynolds, Lawrence
Subject: Attached Letter from Flint Water Advisory Task Force

Dear Governor:

The Flint Water Advisory Task Force, which you appointed on October 21, 2015, has devoted considerable time and effort to our review of the contamination of the Flint Water supply. Our focus has been on assessing what happened, why it happened, and what is needed to prevent any recurrence in Flint or elsewhere in the state. We have also, as you know, been assessing on-going mitigation efforts.

Attached is a letter reporting our finding as to who bears the primary responsibility for what happened in Flint. We are sending this letter now because it has become clear to us that ascribing responsibility and ensuring accountability is both critical and urgent, and simply cannot wait for our final report. Establishing responsibility and accountability is the first step in re-establishing the trust between the citizens of Flint and their government and the agencies whose responsibility it is to protect their health. The current level of distrust also serves to compromise the effective delivery of protected services designed to address ongoing public health issues.

Thank you for the support you have given us and your demonstrated commitment to respond to our findings and recommendations.

On behalf of the Task Force

Ken Sikkema

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: [redacted]
[redacted]

From: Scott, Allison (GOV)
Sent: Friday, April 26, 2013 10:29 AM
To: Snyder, Rick (GOV)
Cc: Muchmore, Dennis (GOV); Roberts, John (GOV)
Subject: FW: DWSD's responses to Flint's Questions
Attachments: DWSD KWA Background.pdf

fyi

From: Matthew Schenk [mailto:schenk@dwsd.org]
Sent: Friday, April 26, 2013 10:25 AM
To: ekurtz; hcroft@cityofflint.com
Cc: orrk; Dillon, Andy (Treasury); jfausone; Nicolette Bateson; Sue McCormick; Scott, Allison (GOV); William Wolfson; Stibitz, Brom (Treasury)
Subject: Fwd: DWSD's responses to Flint's Questions

Mr. Croft and Mr. Kurtz,

Attached is the back-up data that we believe is responsive to your request below. Please keep in mind that the information provided was developed in order to provide Flint with an "apples to apples" comparison of rates between the DWSD and KWA scenarios based upon current rate assumptions under the contract in place through April 2014.

As always, please feel free to call with any questions.

Matt

From: "Howard Croft" <hcroft@cityofflint.com>
To: "Sue McCormick" <mccormick@dwsd.org>
Cc: "Ed Kurtz" <ekurtz@cityofflint.com>
Sent: Thursday, April 25, 2013 2:24:32 PM
Subject: DWSD's responses to Flint's Questions

Good Afternoon Ms. McCormick,

We appreciate your response to our additional questions, Mr. Kurtz would like to know if you could provide a quick summary to the following inquiry.

On page two, in paragraph one, it is stated that "the total Water Utility Costs through 2042 are only $3,215.04 million, or $908.85 million less than the KWA scenario."

We are curious what formula DWSD used to calculate the $908.85 million dollars less than KWA?

We are meeting this afternoon to review your responses and any additional information on this issue would be greatly appreciated.

Thank you,

--
Howard Croft
Director Infrastructure & Development
City of Flint
1101 S. Saginaw Street
Flint, MI 48502
PH# 810.766.7346 Ext.2043

--
Matthew Schenk
Chief Operating Officer/
Chief Compliance Officer
DWSD
City of Detroit
Dave Bing, Mayor
(313) 224-4707

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Chief Compliance Officer
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DWSD / KWA Executive Summary Outline

Premise and Approach

- Review most recent audited financial statements to establish baseline water revenues from Flint and Genesee County (GCDC), and how such revenues are applied.
- Estimate how baseline will be impacted under two scenarios
    - Continued purchase of treated water from DWSD
    - Construction of new KWA raw water supply system and treated water supply system for Genesee County and construction of modifications to Flint Water Treatment Plant
- Compare estimated short, mid, and long term financial projections for each scenario

Assumptions – common to both scenarios

- Current application of revenues is most accurately depicted by published audited financial statements for most recently fiscal years
    - FY ended December 31, 2011 for Genesee County Drain Commission (GCDC)
    - FY ended June 30, 2012 for City of Flint
- Most recently audited figures for Flint / Genesse County operating expenses, capital expenses, etc. are representative – inflate at 4.51%, ***consistent with TYJT report***

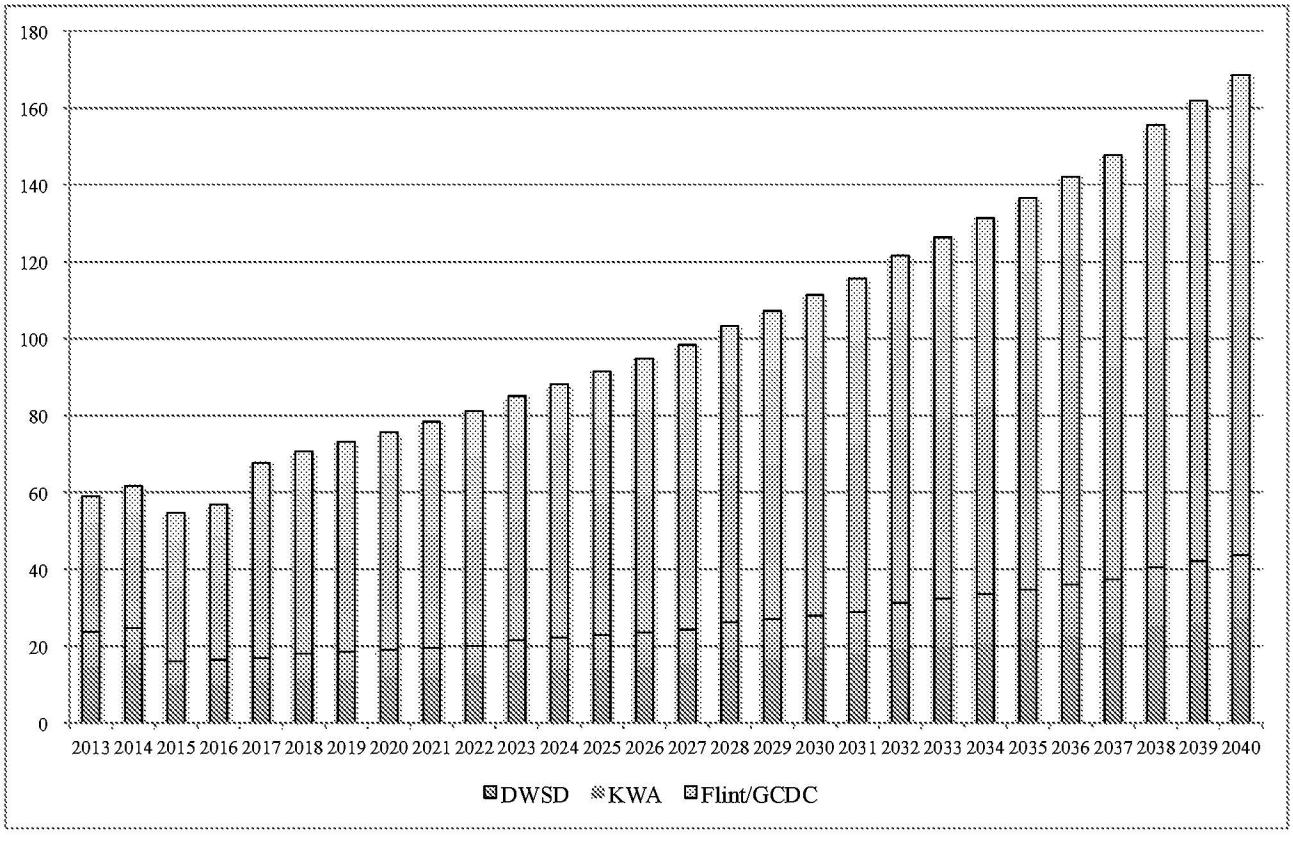
Assumptions – DWSD Scenario

- DWSD water rate schedule
    - DWSD rate structure to Flint / Genesee County is amended to reflect 4/24/2013 DWSD proposal, adjusted to reflect immediate reservation of 60 mgd capacity
    - DWSD rate escalation (for commodity and standby elements) at 4.7%, ***consistent with TYJT Report***

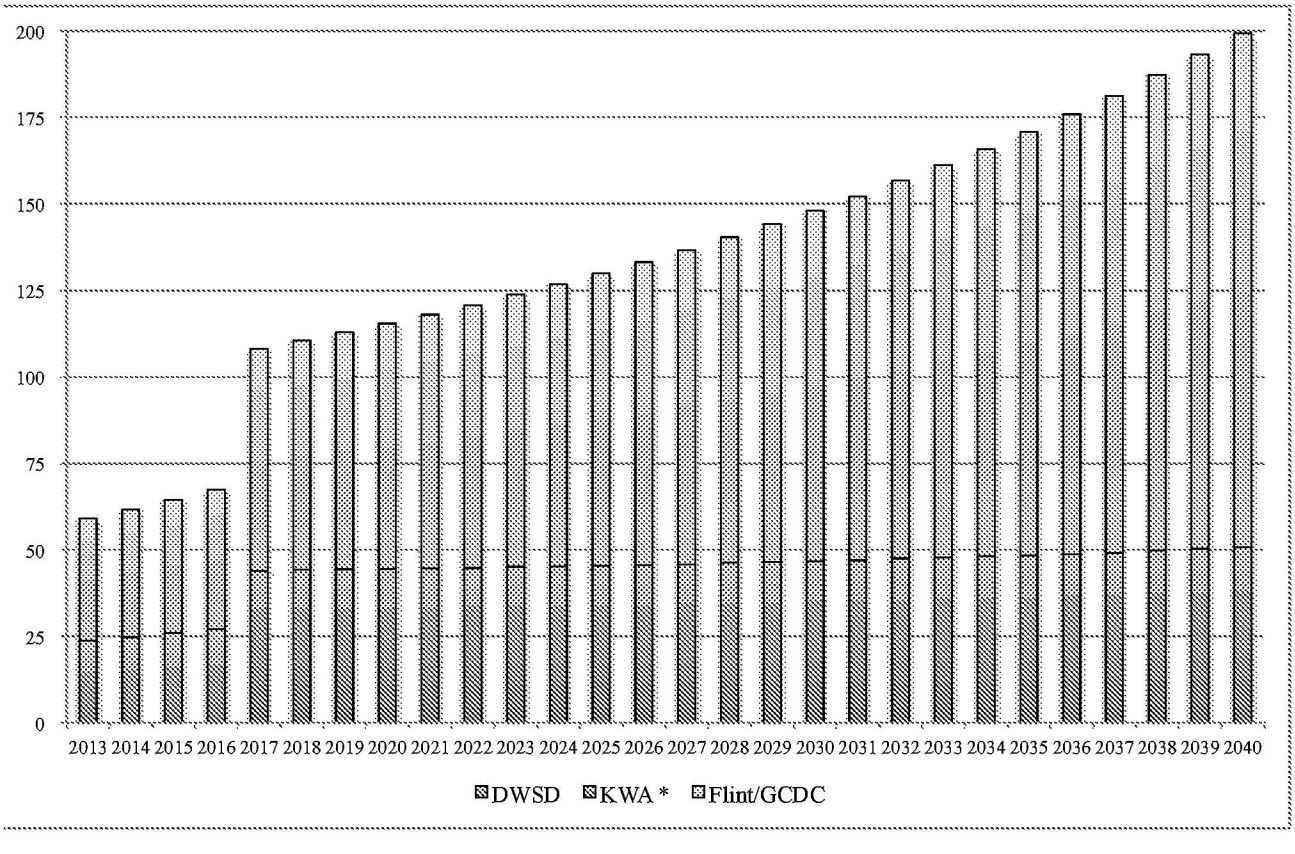
Assumptions – KWA Scenario

- KWA scenario begins in FY 2017, at which time purchased water from DWSD would cease
- Other than normal rate adjustments DWSD does not amend rate structure to Flint / GCDC
- KWA scenario costs
    - KWA Raw Water Pipeline and Appurtenances Construction = $357.58 million, ***consistent with TYJT report***
    - Flint Water Treatment Plant Construction Improvements = $7.1 million, ***consistent with TYJT report***
    - GCDC Water Treatment Plant Construction Improvements = $110 million, ***consistent with 2009 KWA Preliminary Engineering Report***
    - All construction costs are financed in terms set forth in the TYJT Report
        - 3 years of capitalized interest
        - Fully funded bond reserve account
        - Bond issuance expenses at 2.25%
    - In addition, revenues are assumed to need to generate 1.20x coverage of annual debt service
    - Flint Water Treatment Plant Operating costs = $8.27 million starting in 2017, ***consistent with TYJT report***
    - GCDC Water Treatment Plant Operating costs = $1.82 million starting in 2017, ***consistent with unit costs from the 2009 KWA Preliminary Engineering Report***

SUMMARY OF **TOTAL** PROJECTED WATER COSTS TO FLINT/GCDC - **DWSD** SCENARIO *($ millions)*



SUMMARY OF **TOTAL** PROJECTED WATER COSTS TO FLINT/GCDC - **KWA** SCENARIO *($ millions)*



Baseline Figures and Assumptions - DWSD Scenario

	DWSD Water Rate Structure		
	Fixed	Standby	Commodity
2014	738,006	0	13.01
2015	665,100	289,900	3.78

Total Water Service Costs for Flint / Genesee County Drain Commission

Costs of Current Facilities / Operations

	Most Recently Audited FY			Estimated Escalation		Estimated FY 2013 Baseline		
	Flint	GCDC	Combined	Flint	GCDC	Flint	GCDC	Combined
Purchased Water	8,303,710	12,947,738	21,251,448			*9,253,700*	*14,429,000*	23,682,700
Flint WTP	3,239,400	0	3,300,000	4.51%	4.51%	3,538,200	0	3,538,200
Other Operating Costs	12,361,400	5,831,540	18,132,344	4.51%	4.51%	13,501,500	6,369,400	19,804,800
Capital and Other	7,998,426	2,918,625	10,917,051	4.51%	4.51%	8,736,200	3,187,800	11,924,000
Total	31,902,936	21,697,903	53,600,843			35,029,600	23,986,200	58,949,700

Costs of Future Facilities / Operations

Redundant Line - Imlay to Baxter Potter

Cost of Redundant Line	94,680,000	
Issuance Expenses, etc.	2,177,600	
Required Financing	96,857,600	
Finance Rate	5%	
Finance Term	25	
Annual Payment	6,872,300	
Debt Svc Coverage	*125%*	
Annual Revenue Requirement	8,590,400	Start in FY 2017

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **DWSD** SCENARIO

		DWSD Purchased Water Costs							
		Water Purchases		Purchased	Water Rate Structure			Purchased	Total DWSD
		Avg Day	Max Day	Water	Fixed	Standby	Commodity	Water Costs	Costs
		mgd	*mgd*	*Mcf*	*$/mo*	*$/mo*	*$/Mcf*	*$*	*$*
Escalation:					*0.00%*	*4.70%*	*4.70%*		
1	2013	**25.0**	**60.0**	1,219,800	**707,000**	**0**	**12.46**	23,682,700	23,682,700
2	2014	25.0	60.0	1,219,800	**738,006**		**13.01**	24,725,700	24,725,700
3	2015	25.0	60.0	1,219,800	**665,100**	**289,900**	**3.78**	16,070,800	16,070,800
4	2016	25.0	60.0	1,219,800	665,100	303,500	3.96	16,453,600	16,453,600
5	2017	25.0	60.0	1,219,800	665,100	317,800	4.15	16,857,000	16,857,000
6	2018	27.0	60.0	1,317,400	665,100	359,400	4.35	18,024,700	18,024,700
7	2019	27.0	60.0	1,317,400	665,100	376,300	4.55	18,491,000	18,491,000
8	2020	27.0	60.0	1,317,400	665,100	394,000	4.76	18,980,000	18,980,000
9	2021	27.0	60.0	1,317,400	665,100	412,500	4.98	19,491,900	19,491,900
10	2022	27.0	60.0	1,317,400	665,100	431,900	5.21	20,027,700	20,027,700
11	2023	29.0	60.0	1,415,000	665,100	485,700	5.45	21,521,400	21,521,400
12	2024	29.0	60.0	1,415,000	665,100	508,500	5.71	22,162,900	22,162,900
13	2025	29.0	60.0	1,415,000	665,100	532,400	5.98	22,831,700	22,831,700
14	2026	29.0	60.0	1,415,000	665,100	557,400	6.26	23,527,900	23,527,900
15	2027	29.0	60.0	1,415,000	665,100	583,600	6.55	24,252,700	24,252,700
16	2028	31.0	60.0	1,512,600	665,100	653,200	6.86	26,196,000	26,196,000
17	2029	31.0	60.0	1,512,600	665,100	683,900	7.18	27,048,500	27,048,500
18	2030	31.0	60.0	1,512,600	665,100	716,000	7.52	27,948,000	27,948,000
19	2031	31.0	60.0	1,512,600	665,100	749,700	7.87	28,881,800	28,881,800
20	2032	33.0	60.0	1,610,200	665,100	835,600	8.24	31,276,400	31,276,400
21	2033	33.0	60.0	1,610,200	665,100	874,900	8.63	32,376,000	32,376,000
22	2034	33.0	60.0	1,610,200	665,100	916,000	9.04	33,529,400	33,529,400
23	2035	33.0	60.0	1,610,200	665,100	959,100	9.46	34,722,900	34,722,900
24	2036	33.0	60.0	1,610,200	665,100	1,004,200	9.90	35,972,600	35,972,600
25	2037	33.0	60.0	1,610,200	665,100	1,051,400	10.37	37,295,800	37,295,800
26	2038	35.0	60.0	1,707,800	665,100	1,167,500	10.86	40,537,900	40,537,900
27	2039	35.0	60.0	1,707,800	665,100	1,222,400	11.37	42,067,700	42,067,700
28	2040	35.0	60.0	1,707,800	665,100	1,279,900	11.90	43,662,800	43,662,800
29	2041	35.0	60.0	1,707,800	665,100	1,340,100	12.46	45,341,600	45,341,600
30	2042	35.0	60.0	1,707,800	665,100	1,403,100	13.05	47,105,200	47,105,200
	TOTAL			44,011,600	20,067,806	20,409,900		841,064,300	841,064,300

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **DWSD** SCENARIO

		Flint /Gen Co WTP Costs										GRAND
		Direct Capital Recovery				Flint Other	Flint WTP	Total Flint	Gen Co	Total Op	Total Flint/Gen	TOTAL
		Flint	Gen Co		Total	Water Costs	Op Costs	Op Costs	Op Costs	Costs	Co Costs	COSTS
		$	$		$	$	$	$	$	$	$	$
Escalation:		*4.51%*	*4.51%*			*4.51%*	*4.51%*		*4.51%*			
1	2013	8,736,100	3,187,800		11,923,900	**13,501,500**	**3,538,200**	17,039,700	**6,369,400**	23,409,100	35,333,000	**59,015,700**
2	2014	9,130,100	3,331,600		12,461,700	14,110,400	3,697,800	17,808,200	6,656,700	24,464,900	36,926,600	**61,652,300**
3	2015	9,541,900	3,481,900		13,023,800	14,746,800	3,864,600	18,611,400	6,956,900	25,568,300	38,592,100	**54,662,900**
4	2016	9,972,200	3,638,900		13,611,100	15,411,900	4,038,900	19,450,800	7,270,700	26,721,500	40,332,600	**56,786,200**
5	2017	10,421,900	3,803,000	**8,590,400**	22,815,300	16,107,000	4,221,100	20,328,100	7,598,600	27,926,700	50,742,000	**67,599,000**
6	2018	10,891,900	3,974,500	8,590,400	23,456,800	16,833,400	4,411,500	21,244,900	7,941,300	29,186,200	52,643,000	**70,667,700**
7	2019	11,383,100	4,153,700	8,590,400	24,127,200	17,592,600	4,610,500	22,203,100	8,299,500	30,502,600	54,629,800	**73,120,800**
8	2020	11,896,500	4,341,000	8,590,400	24,827,900	18,386,000	4,818,400	23,204,400	8,673,800	31,878,200	56,706,100	**75,686,100**
9	2021	12,433,000	4,536,800	8,590,400	25,560,200	19,215,200	5,035,700	24,250,900	9,065,000	33,315,900	58,876,100	**78,368,000**
10	2022	12,993,700	4,741,400	8,590,400	26,325,500	20,081,800	5,262,800	25,344,600	9,473,800	34,818,400	61,143,900	**81,171,600**
11	2023	13,579,700	4,955,200	8,590,400	27,125,300	20,987,500	5,500,200	26,487,700	9,901,100	36,388,800	63,514,100	**85,035,500**
12	2024	14,192,100	5,178,700	8,590,400	27,961,200	21,934,000	5,748,300	27,682,300	10,347,600	38,029,900	65,991,100	**88,154,000**
13	2025	14,832,200	5,412,300	8,590,400	28,834,900	22,923,200	6,007,500	28,930,700	10,814,300	39,745,000	68,579,900	**91,411,600**
14	2026	15,501,100	5,656,400	8,590,400	29,747,900	23,957,000	6,278,400	30,235,400	11,302,000	41,537,400	71,285,300	**94,813,200**
15	2027	16,200,200	5,911,500	8,590,400	30,702,100	25,037,500	6,561,600	31,599,100	11,811,700	43,410,800	74,112,900	**98,365,600**
16	2028	16,930,800	6,178,100	8,590,400	31,699,300	26,166,700	6,857,500	33,024,200	12,344,400	45,368,600	77,067,900	**103,263,900**
17	2029	17,694,400	6,456,700	8,590,400	32,741,500	27,346,800	7,166,800	34,513,600	12,901,100	47,414,700	80,156,200	**107,204,700**
18	2030	18,492,400	6,747,900	8,590,400	33,830,700	28,580,100	7,490,000	36,070,100	13,482,900	49,553,000	83,383,700	**111,331,700**
19	2031	19,326,400	7,052,200	8,590,400	34,969,000	29,869,100	7,827,800	37,696,900	14,091,000	51,787,900	86,756,900	**115,638,700**
20	2032	20,198,000	7,370,300	8,590,400	36,158,700	31,216,200	8,180,800	39,397,000	14,726,500	54,123,500	90,282,200	**121,558,600**
21	2033	21,108,900	7,702,700	8,590,400	37,402,000	32,624,100	8,549,800	41,173,900	15,390,700	56,564,600	93,966,600	**126,342,600**
22	2034	22,060,900	8,050,100	8,590,400	38,701,400	34,095,400	8,935,400	43,030,800	16,084,800	59,115,600	97,817,000	**131,346,400**
23	2035	23,055,800	8,413,200	8,590,400	40,059,400	35,633,100	9,338,400	44,971,500	16,810,200	61,781,700	101,841,100	**136,564,000**
24	2036	24,095,600	8,792,600	8,590,400	41,478,600	37,240,200	9,759,600	46,999,800	17,568,300	64,568,100	106,046,700	**142,019,300**
25	2037	25,182,300	9,189,100	8,590,400	42,961,800	38,919,700	10,199,800	49,119,500	18,360,600	67,480,100	110,441,900	**147,737,700**
26	2038	26,318,000	9,603,500	8,590,400	44,511,900	40,675,000	10,659,800	51,334,800	19,188,700	70,523,500	115,035,400	**155,573,300**
27	2039	27,504,900	10,036,600	8,590,400	46,131,900	42,509,400	11,140,600	53,650,000	20,054,100	73,704,100	119,836,000	**161,903,700**
28	2040	28,745,400	10,489,300	8,590,400	47,825,100	44,426,600	11,643,000	56,069,600	20,958,500	77,028,100	124,853,200	**168,516,000**
29	2041	30,041,800	10,962,400	8,590,400	49,594,600	46,430,200	12,168,100	58,598,300	21,903,700	80,502,000	130,096,600	**175,438,200**
30	2042	31,396,700	11,456,800		42,853,500	48,524,200	12,716,900	61,241,100	22,891,600	84,132,700	126,986,200	**174,091,400**
	TOTAL	533,858,000	194,806,200	214,760,000	943,424,200	825,082,600	216,229,800	1,041,312,400	389,239,500	1,430,551,900	2,373,976,100	3,215,040,400

Baseline Figures and Assumptions - KWA Scenario

	DWSD Water Rate Structure			
	Fixed	Standby	Commodity	
2014	738,006	#N/A	13.01	Service ceases after 2016

Total Water Service Costs for Flint / Genesee County Drain Commission

Costs of Current Facilities / Operations

Same as DWSD scenario

Costs of Future Facilities / Operations

Financing Costs for New Projects	Flint WTP Improvements	GCDC WTP and Other	KWA System (a)
Project Cost	7,100,000	110,038,554	357,578,060
Bond Sizing Factor	**37.65%**	**37.65%**	**37.65%**
Additional Bond Proceeds Needed	2,670,000	41,430,000	134,630,000
Bond Sale Size	9,800,000	151,500,000	492,200,000
Bond Issuance Expenses - %	2.25%	2.25%	2.25%
Bond Issuance Expenses	220,500	3,408,800	11,074,500
Finance Rate	5.00%	5.00%	5.00%
Finance Term	25	25	25
Bond Reserve Size - %	10.00%	10.00%	10.00%
Bond Reserve Size	980,000	15,150,000	49,220,000
Capitalized Interest term - years	3	3	3
Capitalized Interest	1,470,000	22,725,000	73,830,000
Net Bond Proceeds	7,129,500	110,216,200	358,075,500
Annual Debt Service Payment	695,300	10,749,300	34,922,800
Debt Service Coverage Requirement	120.00%	120.00%	120.00%
Annual Debt Service Coverage	139,100	2,149,900	6,984,600
Replacement?	144,900	2,251,600	(b)
Total Capital Financing Revenue Req't	979,300	15,150,800	41,907,400
Operating Cost Estimate Starting in FY 2017	8,270,000	1,819,900	(c)

(a) excludes raw water reservoir
(b) assume no annual replacement required for pipeline
(c) $1.30 per Mcf inflated to 2017

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **KWA** SCENARIO

		DWSD Alternative - DWSD Costs						Direct Capital Recovery				
		Water Purchases		Purchased	Water Rate Structure		Total DWSD					
		Avg Day	Max Day	Water	Fixed	Commodity	Costs	Flint	Gen Co	Flint New	Gen Co New	Total
		mgd	*mgd*	*Mcf*	*$/mo*	*$/Mcf*	*$*	*$*	*$*	*$*	*$*	*$*
Escalation:					*4.70%*	*4.70%*		*4.51%*	*4.51%*			
1	2013	**25.0**	**40.0**	1,219,800	**707,000**	**12.46**	23,682,700	8,736,100	3,187,800			11,923,900
2	2014	25.0	40.0	1,219,800	**738,006**	**13.01**	24,725,700	9,130,100	3,331,600			12,461,700
3	2015	25.0	40.0	1,219,800	**772,692**	**13.62**	25,886,000	9,541,900	3,481,900			13,023,800
4	2016	25.0	40.0	1,219,800	**809,009**	**14.26**	27,102,500	9,972,200	3,638,900			13,611,100
5	2017	25.0	**60.0**				0	10,421,900	3,803,000	**979,300**	**15,150,800**	30,355,000
6	2018	27.0	60.0				0	10,891,900	3,974,500	979,300	15,150,800	30,996,500
7	2019	27.0	60.0				0	11,383,100	4,153,700	979,300	15,150,800	31,666,900
8	2020	27.0	60.0				0	11,896,500	4,341,000	979,300	15,150,800	32,367,600
9	2021	27.0	60.0				0	12,433,000	4,536,800	979,300	15,150,800	33,099,900
10	2022	27.0	60.0				0	12,993,700	4,741,400	979,300	15,150,800	33,865,200
11	2023	29.0	60.0				0	13,579,700	4,955,200	979,300	15,150,800	34,665,000
12	2024	29.0	60.0				0	14,192,100	5,178,700	979,300	15,150,800	35,500,900
13	2025	29.0	60.0				0	14,832,200	5,412,300	979,300	15,150,800	36,374,600
14	2026	29.0	60.0				0	15,501,100	5,656,400	979,300	15,150,800	37,287,600
15	2027	29.0	60.0				0	16,200,200	5,911,500	979,300	15,150,800	38,241,800
16	2028	31.0	60.0				0	16,930,800	6,178,100	979,300	15,150,800	39,239,000
17	2029	31.0	60.0				0	17,694,400	6,456,700	979,300	15,150,800	40,281,200
18	2030	31.0	60.0				0	18,492,400	6,747,900	979,300	15,150,800	41,370,400
19	2031	31.0	60.0				0	19,326,400	7,052,200	979,300	15,150,800	42,508,700
20	2032	33.0	60.0				0	20,198,000	7,370,300	979,300	15,150,800	43,698,400
21	2033	33.0	60.0				0	21,108,900	7,702,700	979,300	15,150,800	44,941,700
22	2034	33.0	60.0				0	22,060,900	8,050,100	979,300	15,150,800	46,241,100
23	2035	33.0	60.0				0	23,055,800	8,413,200	979,300	15,150,800	47,599,100
24	2036	33.0	60.0				0	24,095,600	8,792,600	979,300	15,150,800	49,018,300
25	2037	33.0	60.0				0	25,182,300	9,189,100	979,300	15,150,800	50,501,500
26	2038	35.0	60.0				0	26,318,000	9,603,500	979,300	15,150,800	52,051,600
27	2039	35.0	60.0				0	27,504,900	10,036,600	979,300	15,150,800	53,671,600
28	2040	35.0	60.0				0	28,745,400	10,489,300	979,300	15,150,800	55,364,800
29	2041	35.0	60.0				0	30,041,800	10,962,400	979,300	15,150,800	57,134,300
30	2042	35.0	60.0				0	31,396,700	11,456,800			42,853,500
TOTAL				4,879,200	3,026,707		101,396,900	533,858,000	194,806,200	24,482,500	378,770,000	1,131,916,700

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **KWA** SCENARIO

		Flint /Gen Co WTP Costs						
		Flint Other Water Costs	Flint WTP Op Costs	Total Flint Op Costs	Gen Co WTP Op Costs	Gen Co Op Costs	Total Op Costs	Total Flint/Gen Co Costs
		$	$	$	$	$	$	$
Escalation:		*4.51%*	*4.51%*		*4.51%*	*4.51%*		
1	2013	**13,501,500**	**3,538,200**	17,039,700		**6,369,400**	23,409,100	35,333,000
2	2014	14,110,400	3,697,800	17,808,200		6,656,700	24,464,900	36,926,600
3	2015	14,746,800	3,864,600	18,611,400		6,956,900	25,568,300	38,592,100
4	2016	15,411,900	4,038,900	19,450,800		7,270,700	26,721,500	40,332,600
5	2017	16,107,000	**8,270,000**	24,377,000	**1,819,900**	7,598,600	33,795,500	64,150,500
6	2018	16,833,400	8,643,000	25,476,400	1,902,000	7,941,300	35,319,700	66,316,200
7	2019	17,592,600	9,032,800	26,625,400	1,987,800	8,299,500	36,912,700	68,579,600
8	2020	18,386,000	9,440,200	27,826,200	2,077,400	8,673,800	38,577,400	70,945,000
9	2021	19,215,200	9,866,000	29,081,200	2,171,100	9,065,000	40,317,300	73,417,200
10	2022	20,081,800	10,311,000	30,392,800	2,269,000	9,473,800	42,135,600	76,000,800
11	2023	20,987,500	10,776,000	31,763,500	2,371,300	9,901,100	44,035,900	78,700,900
12	2024	21,934,000	11,262,000	33,196,000	2,478,200	10,347,600	46,021,800	81,522,700
13	2025	22,923,200	11,769,900	34,693,100	2,590,000	10,814,300	48,097,400	84,472,000
14	2026	23,957,000	12,300,700	36,257,700	2,706,800	11,302,000	50,266,500	87,554,100
15	2027	25,037,500	12,855,500	37,893,000	2,828,900	11,811,700	52,533,600	90,775,400
16	2028	26,166,700	13,435,300	39,602,000	2,956,500	12,344,400	54,902,900	94,141,900
17	2029	27,346,800	14,041,200	41,388,000	3,089,800	12,901,100	57,378,900	97,660,100
18	2030	28,580,100	14,674,500	43,254,600	3,229,100	13,482,900	59,966,600	101,337,000
19	2031	29,869,100	15,336,300	45,205,400	3,374,700	14,091,000	62,671,100	105,179,800
20	2032	31,216,200	16,028,000	47,244,200	3,526,900	14,726,500	65,497,600	109,196,000
21	2033	32,624,100	16,750,900	49,375,000	3,686,000	15,390,700	68,451,700	113,393,400
22	2034	34,095,400	17,506,400	51,601,800	3,852,200	16,084,800	71,538,800	117,779,900
23	2035	35,633,100	18,295,900	53,929,000	4,025,900	16,810,200	74,765,100	122,364,200
24	2036	37,240,200	19,121,000	56,361,200	4,207,500	17,568,300	78,137,000	127,155,300
25	2037	38,919,700	19,983,400	58,903,100	4,397,300	18,360,600	81,661,000	132,162,500
26	2038	40,675,000	20,884,700	61,559,700	4,595,600	19,188,700	85,344,000	137,395,600
27	2039	42,509,400	21,826,600	64,336,000	4,802,900	20,054,100	89,193,000	142,864,600
28	2040	44,426,600	22,811,000	67,237,600	5,019,500	20,958,500	93,215,600	148,580,400
29	2041	46,430,200	23,839,800	70,270,000	5,245,900	21,903,700	97,419,600	154,553,900
30	2042	48,524,200	24,915,000	73,439,200	5,482,500	22,891,600	101,813,300	144,666,800
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	TOTAL	825,082,600	409,116,600	1,234,199,200	86,694,700	389,239,500	1,710,133,400	2,842,050,100

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **KWA** SCENARIO

		KWA Costs								GRAND
		Debt Service	Covg/Other Capital Costs	Water Sales	Non-Revenue Water	Water Production	Unit Op Costs	Operating Costs	Total KWA Costs	TOTAL COSTS
		$	*$*	*Mcf*	*Mcf*	*Mcf*	*$/Mcf*	*$*	*$*	*$*
Escalation:					*5.00%*		*5.00%*			
1	2013				0	0		0	0	**59,015,700**
2	2014				0	0		0	0	**61,652,300**
3	2015				0	0		0	0	**64,478,100**
4	2016				0	0		0	0	**67,435,100**
5	2017	**34,922,800**	**6,984,600**	1,219,800	64,200	1,284,000	**1.58**	2,028,700	43,936,100	**108,086,600**
6	2018	34,922,800	6,984,600	1,317,400	69,300	1,386,700	1.66	2,301,900	44,209,300	**110,525,500**
7	2019	34,922,800	6,984,600	1,317,400	69,300	1,386,700	1.74	2,412,900	44,320,300	**112,899,900**
8	2020	34,922,800	6,984,600	1,317,400	69,300	1,386,700	1.83	2,537,700	44,445,100	**115,390,100**
9	2021	34,922,800	6,984,600	1,317,400	69,300	1,386,700	1.92	2,662,500	44,569,900	**117,987,100**
10	2022	34,922,800	6,984,600	1,317,400	69,300	1,386,700	2.02	2,801,100	44,708,500	**120,709,300**
11	2023	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.12	3,157,700	45,065,100	**123,766,000**
12	2024	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.23	3,321,600	45,229,000	**126,751,700**
13	2025	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.34	3,485,400	45,392,800	**129,864,800**
14	2026	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.46	3,664,200	45,571,600	**133,125,700**
15	2027	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.58	3,842,900	45,750,300	**136,525,700**
16	2028	34,922,800	6,984,600	1,512,600	79,600	1,592,200	2.71	4,314,900	46,222,300	**140,364,200**
17	2029	34,922,800	6,984,600	1,512,600	79,600	1,592,200	2.85	4,537,800	46,445,200	**144,105,300**
18	2030	34,922,800	6,984,600	1,512,600	79,600	1,592,200	2.99	4,760,700	46,668,100	**148,005,100**
19	2031	34,922,800	6,984,600	1,512,600	79,600	1,592,200	3.14	4,999,500	46,906,900	**152,086,700**
20	2032	34,922,800	6,984,600	1,610,200	84,700	1,694,900	3.30	5,593,200	47,500,600	**156,696,600**
21	2033	34,922,800	6,984,600	1,610,200	84,700	1,694,900	3.47	5,881,300	47,788,700	**161,182,100**
22	2034	34,922,800	6,984,600	1,610,200	84,700	1,694,900	3.64	6,169,400	48,076,800	**165,856,700**
23	2035	34,922,800	6,984,600	1,610,200	84,700	1,694,900	3.82	6,474,500	48,381,900	**170,746,100**
24	2036	34,922,800	6,984,600	1,610,200	84,700	1,694,900	4.01	6,796,500	48,703,900	**175,859,200**
25	2037	34,922,800	6,984,600	1,610,200	84,700	1,694,900	4.21	7,135,500	49,042,900	**181,205,400**
26	2038	34,922,800	6,984,600	1,707,800	89,900	1,797,700	4.42	7,945,800	49,853,200	**187,248,800**
27	2039	34,922,800	6,984,600	1,707,800	89,900	1,797,700	4.64	8,341,300	50,248,700	**193,113,300**
28	2040	34,922,800	6,984,600	1,707,800	89,900	1,797,700	4.87	8,754,800	50,662,200	**199,242,600**
29	2041	34,922,800	6,984,600	1,707,800	89,900	1,797,700	5.11	9,186,200	51,093,600	**205,647,500**
30	2042			1,707,800	89,900	1,797,700	5.37	9,653,600	9,653,600	**154,320,400**
	TOTAL	873,070,000	174,615,000	39,132,400	2,059,300	41,191,700		132,761,600	1,180,446,600	4,123,893,600

From: Redford, James (GOV)
Sent: Friday, November 13, 2015 1:19 PM
To: Snyder, Rick (GOV); Scott, Allison (GOV)
Cc: Muchmore, Dennis (GOV); Agen, Jarrod (GOV); Clement, Elizabeth (GOV); Wurfel, Sara (GOV); Murray, David (GOV)
Subject: Fwd: NEW Recall Petition Filed
Attachments: Recall Gov Petition 11-13-15.pdf; ATT00001.htm

Governor.

Mr Brown has filed another recall petition alleging conduct in 2015 related to Flint Water

[redacted]

Jim

We just received this

Sent from my iPhone

Begin forwarded message:

> **From:** "Malerman, Melissa (MDOS)" <malermanm@michigan.gov>
> **Date:** November 13, 2015 at 12:45:57 PM EST
> **To:** "Redford, James (GOV)" <RedfordJ@michigan.gov>, "Weber, Travis (GOV)" <WeberT7@michigan.gov>
> **Cc:** "'jpirich@honigman.com'" <jpirich@honigman.com>, "Hansen, Andrea L. (AHansen@honigman.com)" <AHansen@honigman.com>, "Thomas, Christopher (MDOS)" <ChristopherT@michigan.gov>
> **Subject: NEW Recall Petition Filed**
>
> **Please be advised that a <u>new</u> recall petition was submitted to our office this afternoon against Governor Snyder.** Mr. Angelo Scott Brown, the sponsor of the first recall petition that was rejected by the Board of State Canvassers earlier today, filed the new petition (copy attached).
>
> The Board will follow the same procedure as before when considering this new recall petition, and must meet sometime between Nov. 23 and Dec. 3 (the 10th to 20th day after submission). Our staff is working with Board members now to schedule that meeting and I'll email you the time, date and location as soon as those plans are finalized.
>
> Please let Chris Thomas (copied here) or me know if you have any questions.
>
> Sincerely,
>
> Melissa Malerman
> Michigan Bureau of Elections

INSTRUCTIONS ON REVERSE SIDE

RECALL PETITION

☐ City
☐ Township
☐ Village of
CHECK ONE

We, the undersigned, registered and qualified voters of the _____ in the County of _____ and State of Michigan, petition for the calling of an election to recall Rick Snyder (Name of Officer) from the office of Governor (Title of Office) _____ (District, if Any) for the following reason(s):

Governor Rick Snyder in 2015 the first 8 months did not take action when it came to the drinking water crisis in Flint. In the meantime the people of Flint were fed at risk than harmful corrosive water and lead. Governor Rick Snyder did not protect taxpayers and and ensures the residents basic services we the people want to recall Governor Rick Snyder

← FOR CLERK'S USE ONLY

WARNING--A PERSON WHO KNOWINGLY SIGNS A RECALL PETITION MORE THAN ONCE OR SIGNS A NAME OTHER THAN HIS OR HER OWN IS VIOLATING THE PROVISIONS OF THE MICHIGAN ELECTION LAW.

✓	SIGNATURE	PRINTED NAME	STREET ADDRESS OR RURAL ROUTE	ZIP CODE	DATE OF SIGNING MONTH	DAY	YEAR
	1.						
	2.						
	3.						
	4.						
	5.						
	6.						
	7.						
	8.						
	9.						
	10.						
	11.						
	12.						

RECEIVED/FILED
MICHIGAN DEPT. OF STATE
2015 NOV 13 PM 12:20
ELECTIONS/GREAT SEAL

CERTIFICATE OF CIRCULATOR

The undersigned circulator of the above petition asserts that he or she is 18 years of age or older and a United States citizen; that each signature on the petition was signed in his or her presence and was not obtained through fraud, deceit or misrepresentation; that he or she has neither caused nor permitted a person to sign the petition more than once and has no knowledge of a person signing the petition more than once; and that, to his or her best knowledge and belief, each signature is the genuine signature of the person purporting to sign the petition, the person signing the petition was at the time of signing a registered elector of the City or Township listed in the heading of the petition, and the elector was qualified to sign the petition.

☐ If the circulator is not a resident of Michigan, the circulator shall make a cross [X] or check mark [✓] in the box provided, otherwise each signature on this petition sheet is invalid and the signatures will not be counted by a filing official. By making a cross or check mark in the box provided, the undersigned circulator asserts that he or she is not a resident of Michigan and agrees to accept the jurisdiction of this state for the purpose of any legal proceeding or hearing that concerns a petition sheet executed by the circulator and agrees that legal process served on the Secretary of State or a designated agent of the Secretary of State has the same effect as if personally served on the circulator.

WARNING--A CIRCULATOR KNOWINGLY MAKING A FALSE STATEMENT IN THE ABOVE CERTIFICATE, A PERSON NOT A CIRCULATOR WHO SIGNS AS A CIRCULATOR, OR A PERSON WHO SIGNS A NAME OTHER THAN HIS OR HER OWN AS CIRCULATOR IS GUILTY OF A MISDEMEANOR.

CIRCULATOR – DO NOT SIGN OR DATE CERTIFICATE UNTIL AFTER CIRCULATING PETITION.

_____ / / _____
(Signature of Circulator) (Date)

(Printed Name of Circulator)

(Complete Residence Address [Street and Number or Rural Route]) - [Do not enter a post office box]

(City or Township, State, Zip Code)

(County of Registration, If Registered to Vote, of a Circulator who is not a Resident of Michigan)

TO BE COMPLETED BY CITY OR TOWNSHIP CLERK

Check the registration of each person whose name appears on the reverse side of this petition sheet **whose name is not coded** in the left-hand column.

If the person was registered to vote in your City or Township on the date he or she signed the sheet, place a check mark before the person's name.

If the person was not registered to vote in your City or Township on the date he or she signed the sheet, enter "NR" (not registered) before the person's name.

If the address listed by the person does not fall within your City or Township, enter "NC" (not in community) before the person's name.

Complete the following certificate after making the registration checks:

I hereby certify that the total number of persons whose names appear on the reverse side of this petition sheet who I identified as being registered in my City or Township on the date of signing the petition sheet is: _____.
(Enter Number)

_____
(Signature of City or Township Clerk)

❑ City or
❑ Township of _____
(Name of City or Township)

READ BEFORE CIRCULATING PETITION

The validity of signatures placed on this petition may be affected if the following is not observed.

Complete the heading of the petition before circulating it.

- Enter the city, township or village and county where the petition will be circulated. Indicate whether the jurisdiction listed is a "city", "township", or a "village". Do not list more than one city, township or village.
- Enter the officer's complete name and the office he or she holds. Include the district number of the office if there is one.
- Enter the reason(s) why the recall election is being sought. The language entered must be exactly as approved by the County Election Commission or Board of State Canvassers.

Make sure that all signers properly complete the petition.

- Each signer must be registered to vote in the city, township or village listed in the heading.
- Each signer must sign and print his or her first and last name.[1]
- Each signer must enter his or her full address. A rural route number is acceptable. A post office box is not acceptable.
- Each signer must enter his or her Zip Code.[2]
- Each signer must date his or her signature with the month, day, and year.

Complete the circulator's certificate after circulating the petition.

- Sign and print your full name and enter the month, day, and year.[1] Signatures on the petition which are dated after the date on the circulator's certificate are invalid.
- Enter your complete residence address (street and number or rural route - do not enter a P.O. Box), city or township, state and zip code.[2]
- If you do not reside in Michigan, enter your county of registration if you are registered to vote in your home state, and make a cross or check mark in the box that precedes the final paragraph of the circulator certificate statement on the left side of the form.

Circulate the petition properly.

- Do not fail to question signers on their city or township of registration.
- Do not complete the heading of the petition after signatures have been affixed on the petition.
- Do not fill in a signer's address or a signer's signature date. Both entries must be in the signer's own handwriting. Ditto marks are not acceptable in these two entries.
- Do not leave the petition unattended.

[1] **The failure of the circulator or an elector who signs the petition to print his or her name or to print his or her name in the proper location does <u>not</u> affect the validity of the circulator's or signer's signature. However, a printed name located in the space designated for printed names does <u>not</u> constitute the signature of the circulator or elector.**

[2] **The failure of the circulator or an elector who signs the petition to enter a Zip Code or to enter his or her correct Zip Code does <u>not</u> affect the validity of the circulator's or signer's signature.**

From: Holland, Meegan (GOV)
Sent: Tuesday, December 29, 2015 1:32 PM
To: Snyder, Rick (GOV)
Subject: The Flint water statement

Here is the statement. It's going to senior and executive staff, plus directors, very soon. It will go to the media around 2:30 p.m.

Rich will respond to the task force in person at tomorrow's task force meeting. We don't plan a written response; however, I'll be compiling talking points from various senior staff for Rich.

The statement:

When I became aware that the city of Flint's water showed elevated lead levels and that the state's handling of the situation was being questioned, I requested funding to switch the source back to the Great Lakes Water Authority and appointed an independent task force to identify possible missteps and areas for improvement.

The task force has done an exceptional job, reviewing stacks of documents and interviewing scores of Flint, Genesee County, state and federal officials.

Although the task force's final report is not yet completed, it has made me aware of some interim findings and corrective steps that I have decided to take immediately in order to restore trust in how the state keeps its citizens safe and informed.

We'll continue to work with the community members to make sure we hear and respond to their concerns.

In addition, MDEQ Director Dan Wyant has offered his resignation, and I've determined that it's appropriate to accept it. I'm also making other personnel changes at MDEQ to address problems cited by the task force.

But changes in leadership and staff are not enough. I understand there can be disagreements within the scientific community. That is why I have directed both the departments of Environmental Quality and Health and Human Services to invite every external scientist who has worked on this issue to be our partners in helping us improve Flint water. Let's share research on water and blood lead level testing so we can arrive at accurate and mutually supported conclusions. Together, we should work to affirm that we're using the very best testing protocols to ensure Flint residents have safe drinking water and that we're taking steps to protect their health over the short and long term.

I want the Flint community to know how very sorry I am that this has happened. And I want all Michigan citizens to know that we will learn from this experience, because Flint is not the only city that has an aging infrastructure.

I know many Flint citizens are angry and want more than an apology. That's why I'm taking the actions today to ensure a culture of openness and trust. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. Last week, I called Flint Mayor Karen Weaver, and we're going to meet soon to discuss other ways the state can offer assistance.

These are only initial steps - we fully expect to take more actions following the recommendations of our task force. When it comes to matters of health and quality of life, we're committed to doing everything we can to protect the well-being of our citizens.

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
[redacted]
Twitter: @meholland

From: Snyder, Rick (GOV)
Sent: Friday, October 02, 2015 12:33 PM
To: Muchmore, Dennis (GOV)
Cc: Agen, Jarrod (GOV)
Subject: Re: Question to consider

We need Treasury to work with Dan and Flint on a clear side by side comparison of the health benefits and costs of GLWA vs. a more optimized Flint system. Also, we need to look at what financing mechanisms are available to Flint to pay for any higher cost actions. Please get people working on these two issues ASAP.

Thanks
Rick

Sent from my iPad

> On Oct 2, 2015, at 8:04 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>
> Ok. Walling, Ananich and Kildee are pushing privately for that to be considered. We'll collect as much info as possible. Dayne is setting up a meeting with DWSD on his own and I thought that his initiation without our encouragement or leadership was the right way to approach it. I just told Dayne to be careful about some twist that hasn't yet been considered.
>
>> On Oct 2, 2015, at 10:57 AM, Snyder, Rick (GOV) <[redacted]> wrote:
>>
>> We should help get all of the facts on the consequences of changing back vs. staying and then determine what financing mechanisms we have available. If we can provide the financing, then we should let Flint make the decision.
>>
>> Thanks
>> Rick
>>
>> Sent from my iPad
>>
>>> On Oct 2, 2015, at 7:38 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>>>
>>> It appears on the surface (without the deep dive we'll definitely do on it) that for $11M we can reconnect to DWSD system for the intervening time before KWA comes on line. That may well be the only way to bring any confidence back to the community. If you choose to do so, what if we created or expanding some revolving fund where Flint wouldn't have to start repaying until 2020 or whenever in the future to stretch the liability? If we needed to have a guarantee perhaps we could use the Escheats of the bottle bill money as a set aside or guarantor without having to touch the principal?

From: Snyder, Rick (GOV)
Sent: Wednesday, October 21, 2015 1:16 PM
To: 'Murray, David (GOV)'
Cc: Agen, Jarrod (GOV)
Subject: RE: Task Force release

Looks good.

Thanks
Rick

From: Murray, David (GOV)
Sent: Wednesday, October 21, 2015 1:09 PM
To: Snyder, Rick (GOV) <[redacted]
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: Task Force release

Good afternoon, Governor.

Jarrod asked me to send you a copy of the release, updated with input from the task force members. I've also attached the discussion points the members created during their meeting.

Please let me know if you 'd like any changes. Our plan is to release before your MiWeek interview so you can reference it.

Dave

Gov. Rick Snyder announces Flint Water Task Force to review state, federal and municipal actions, offer recommendations

Experts in public health, water management, environmental protection to focus on steps to protect residents

LANSING, Mich. – Gov. Rick Snyder today announced the creation of an independent advisory task force charged with reviewing actions regarding water use and testing in Flint and offer recommendations for future guidelines to protect the health and safety of all state residents.

Task force members include experts in public health and medicine, water management, and environmental protection from both sides of the aisle, and will be co-chaired by Ken Sikkema of Public Sector Consultants and Chris Kolb, of the Michigan Environmental Council. Also serving will be Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein, of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center in Flint.

"Transitioning back to the Detroit Water and Sewerage Department-Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on potential changes to law, procedures and practices will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the residents in Flint and all of Michigan."

Snyder said the administration will fully cooperate with task force members, saying he wants an unbiased report focusing on steps taken in the past and recommendations that could improve practices to ensure all residents have access to safe, clean water.

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate majority leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served six years on the Ann Arbor City Council. He has been president of the MEC for six years.

Matthew Davis, M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. Davis also is a professor of health management and policy at the School of Public Health. He previously served as the chief medical executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal adviser for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

Lawrence Reynolds, M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center. He received his medical degree from Howard University College of Medicine and has been in practice for 36 years. He has served as president of the Genesee County Medical Society and the Michigan Chapter of the American Academy of Pediatrics. He has been honored for his humanitarian and advocacy efforts on behalf of children from the Community Foundation of Greater Flint.

Snyder has said reconnecting with the authority is a critical step to resolving water quality issues and addressing related health concerns. It will not immediately resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality and Health and Human Services are continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

####

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted]mobile
Twitter:@michigandmurray

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 10:44 PM
To: Snyder, Rick (GOV); Agen, Jarrod (GOV); Wurfel, Sara (GOV); Wurfel, Brad (DEQ); Kennedy, Jordan (GOV); Biehl, Laura (GOV); Lasher, Geralyn (DHHS); Tommasulo, Karen (DEQ); Eisner, Jennifer (DHHS); Muchmore, Dennis (GOV); Minicuci, Angela (DHHS); Hollins, Harvey (GOV); Heaton, Anna (GOV)
Subject: Press release with mayor, Mott quotes
Attachments: 151008 Flint water release_V4.docx

Good evening Governor and team,

Here's the most updated version of the press release, including quotes and incorporating suggestions from Mayor Walling and the Mott Foundation friends. Please let me know if there are any other changes. Thank you for your assistance.

Dave

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation, city form partnership to fund switch until KWA is ready

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water until the Karegnondi Water Authority pipeline is completed, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide half, or $6 million, of the $12 million needed to reconnect with the authority through next summer, when the KWA is expected to be completed. The Flint city government will provide $2 million and the Charles Stewart Mott Foundation has committed $4 million.

"All Flint residents need clean, safe drinking water," Snyder said. "The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit's willingness to reconnect with Flint, the Mott Foundation's generous commitment, and the dedication of all parties to come together to protect Flint families and children."

The Michigan Departments of Environmental Quality and Health and Human Services today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection and to assist with health and infrastructure issues. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

"It's heartening to know so many people are working at so many levels to bring safe, clean water back to Flint," Mott Foundation President Ridgway White said. "We believe that reconnecting the city's water supply to Lake Huron is the right and necessary thing to do, and we're glad we could help the state and the city make it happen."

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can sometimes be present in shallower rivers. Additionally, the Great Lakes Water Authority water already has additional corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

"Reconnecting to Detroit is the fastest way to deliver clean, safe water to Flint and stabilize the infrastructure system," Flint Mayor Dayne Walling said. "I appreciate the state, the Mott Foundation, Detroit, and the county's participation in a solution for Flint's water problems. The health and safety of Flint's families, children and seniors is my top priority and reconnecting to Detroit is a major step that the city could not take alone given budget constraints."

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School test results released; more investigation planned

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However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

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Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
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STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

CONTACTS:	FOR IMMEDIATE RELEASE
Sara Wurfel or Dave Murray Governor's Office: 517-335-6397 Brad Wurfel, 517-284-6713 Department of Environmental Quality Jennifer Eisner, 517-230-9804 Department of Health and Human Services	Thursday, Oct. 8, 2015

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

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###

From: Wurfel, Sara (GOV)
Sent: Wednesday, October 07, 2015 11:52 PM
To: Murray, David (GOV); Agen, Jarrod (GOV)
Cc: Heaton, Anna (GOV); Biehl, Laura (GOV); Kennedy, Jordan (GOV); Brown, Jessica (GOV)
Subject: RE: Press release with mayor, Mott quotes

Importance: High

Team –

A few things based on other dept edits. See below highlighted. I believe these are necessary and help. But please review and make sure makes sense to you as well.

Also – the Detroit system pulls from both Lake Huron and the Detroit River. Mott is working on amending Ridgway's quote. See below for info:

Water 101/Q&A about Water Treatment - http://www.dwsd.org/pages_n/water101.html
Q: What is the source my drinking water?
A: The Detroit Water and Sewerage Department gets all of its water from the Detroit River and Lake Huron.

Detroit Water & Sewerage Dept Fact Sheet –
http://www.dwsd.org/downloads_n/about_dwsd/fact_sheet/dwsd_fact_sheet.pdf
The water system draws fresh water from the Great Lakes System, with Lake Huron to the north and the Detroit River to the south.

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 10:44 PM
To: Snyder, Rick (GOV) <[redacted]>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>
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To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. **MOVED FROM 1ST GRAPH TO HERE FOR FLOW ON ADDITIONAL STATE ACTION** The Michigan Departments of Environmental Quality and Health and Human Services today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

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Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted], mobile
Twitter:@michigandmurray

From: Wurfel, Sara (GOV)
Sent: Thursday, October 08, 2015 12:05 AM
To: Murray, David (GOV); Agen, Jarrod (GOV)
Cc: Heaton, Anna (GOV); Biehl, Laura (GOV); Kennedy, Jordan (GOV); Brown, Jessica (GOV)
Subject: Re: Press release with mayor, Mott quotes
Attachments: image001.jpg

Also we need to add in Jason Lorenz from City of Flint, and Kathryn Thomas from Mott Foundation as contacts on the release. And Karen from DEQ too.

Forwarding vcards to Anna for incorporation.

Sent from my iPad

On Oct 7, 2015, at 11:52 PM, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:

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From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 10:44 PM
To: Snyder, Rick (GOV) <[redacted]>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>
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Flint's families, children and seniors is my top priority and reconnecting to Detroit is a major step that the city could not take alone given budget constraints."

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###

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

<image001.jpg>

From: Wurfel, Sara (GOV)
Sent: Thursday, October 08, 2015 9:13 AM
To: Heaton, Anna (GOV)
Cc: Murray, David (GOV); Agen, Jarrod (GOV); Biehl, Laura (GOV); Kennedy, Jordan (GOV); Brown, Jessica (GOV)
Subject: Re: Press release with mayor, Mott quotes

We need updated release ASAP. Thx!

Sent from my iPhone

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> > >
> > > Water 101/Q&A about Water Treatment -
> > > http://www.dwsd.org/pages_n/water101.html
> > > Q: What is the source my drinking water?
> > > A: The Detroit Water and Sewerage Department gets all of its water from the Detroit River and Lake Huron.
> > >
> > > Detroit Water & Sewerage Dept Fact Sheet –
> > > http://www.dwsd.org/downloads_n/about_dwsd/fact_sheet/dwsd_fact_sheet.pdf
> > > The water system draws fresh water from the Great Lakes System, with Lake Huron to the north and the Detroit River to the south.

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 10:44 PM
To: Snyder, Rick (GOV) <[redacted]; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>
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State, Mott Foundation, city form partnership to fund switch until KWA is ready

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water until the Karegnondi Water Authority pipeline is completed, Gov. Rick Snyder said.

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<image001.jpg>

<image001.jpg>

From: Agen, Jarrod (GOV)
Sent: Wednesday, October 21, 2015 1:27 PM
To: Sara Wurfel; Murray, David (GOV); Biehl, Laura (GOV); Heaton, Anna (GOV); Paciorek, Josh (GOV)
Subject: Fwd: Task Force release
Attachments: image001.jpg

Lets get this out between 2pm-2:15pm at the LATEST!

Begin forwarded message:

From: "Snyder, Rick (GOV)" <[redacted]
Date: October 21, 2015 at 1:15:45 PM EDT
To: "Murray, David (GOV)" <MurrayD1@michigan.gov>
Cc: "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>
Subject: RE: Task Force release

Looks good.

Thanks
Rick

From: Murray, David (GOV)
Sent: Wednesday, October 21, 2015 1:09 PM
To: Snyder, Rick (GOV) <[redacted]
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: Task Force release

Good afternoon, Governor.

Jarrod asked me to send you a copy of the release, updated with input from the task force members. I've also attached the discussion points the members created during their meeting.

Please let me know if you 'd like any changes. Our plan is to release before your MiWeek interview so you can reference it.

Dave

Gov. Rick Snyder announces Flint Water Task Force to review state, federal and municipal actions, offer recommendations

Experts in public health, water management, environmental protection to focus on steps to protect residents

LANSING, Mich. – Gov. Rick Snyder today announced the creation of an independent advisory task force charged with reviewing actions regarding water use and testing in Flint and offer recommendations for future guidelines to protect the health and safety of all state residents.

Task force members include experts in public health and medicine, water management, and environmental protection from both sides of the aisle, and will be co-chaired by Ken Sikkema of Public Sector Consultants and Chris Kolb, of the Michigan Environmental Council. Also serving will be Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein, of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center in Flint.

"Transitioning back to the Detroit Water and Sewerage Department-Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on potential changes to law, procedures and practices will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the residents in Flint and all of Michigan."

Snyder said the administration will fully cooperate with task force members, saying he wants an unbiased report focusing on steps taken in the past and recommendations that could improve practices to ensure all residents have access to safe, clean water.

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate majority leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served six years on the Ann Arbor City Council. He has been president of the MEC for six years.

Matthew Davis, M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. Davis also is a professor of health management and policy at the School of Public Health. He previously served as the chief medical executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal adviser for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

Lawrence Reynolds, M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center. He received his medical degree from Howard University College of Medicine and has been in practice for 36 years. He has served as president of the Genesee County Medical Society and the Michigan Chapter of the American Academy of Pediatrics. He has been honored for his humanitarian and advocacy efforts on behalf of children from the Community Foundation of Greater Flint.

Snyder has said reconnecting with the authority is a critical step to resolving water quality issues and addressing related health concerns. It will not immediately resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality and Health and Human Services are continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

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517-335-6397, office
[redacted], mobile
Twitter:@michigandmurray

From: Heaton, Anna (GOV)
Sent: Thursday, October 01, 2015 11:05 PM
To: Wurfel, Sara (GOV)
Cc: Paciorek, Josh (GOV); Agen, Jarrod (GOV); Murray, David (GOV); Biehl, Laura (GOV)
Subject: Re: Mail with GoodReader attachments

Everything looks really solid - good job you guys.

My only suggestion would be to cite a source in the PR graph that says "The water leaving Flint's drinking water system is safe to drink" - according to whom/what test/when?

Sent from my iPad

On Oct 1, 2015, at 10:35 PM, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:

> Just realized that verb in last bullet got changed – it should not be "Creating" (much has already been created and done). This is "Ensuring" or "Boosting" or "Expanding"
>
> ---
>
> **From:** Paciorek, Josh (GOV)
> **Sent:** Thursday, October 01, 2015 9:17 PM
> **To:** Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
> **Cc:** Heaton, Anna (GOV) <HeatonA@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>
> **Subject:** RE: Mail with GoodReader attachments
>
> Got it.
>
> Attached are revised versions.
>
> I'm going to send these to the printer now unless anyone has final changes.
>
> Thanks
>
> Josh
>
> ---
>
> **From:** Agen, Jarrod (GOV)
> **Sent:** Thursday, October 01, 2015 8:29 PM
> **To:** Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Paciorek, Josh (GOV) <Pacioreki@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
> **Cc:** Heaton, Anna (GOV) <HeatonA@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>
> **Subject:** Fwd: Mail with GoodReader attachments
>
> See reorder from Gov.
> I would suggest we make similar reorder in press release (and talking points).
> Also - see his point on filters. Don't think that means we need to change handout, but maybe flesh that out more in press release.

Begin forwarded message:

From: "Snyder, Rick (GOV)" <[redacted]
To: "Agen, Jarrod (GOV)" <Agenj@michigan.gov>
Cc: "Scott, Allison (GOV)" <scotta12@michigan.gov>
Subject: Mail with GoodReader attachments

Please consider a reordering as suggested below.

Also, we need to have good back up info on the question mark by the filters. For people on assistance is clear. Are we going to provide filters to anyone with a concern? Also, what is the timing of filter availability and how we will communicate more info?

Thanks
Rick

See files attached to this message (sent from GoodReader)

From: Heaton, Anna (GOV)
Sent: Thursday, October 08, 2015 9:02 AM
To: Wurfel, Sara (GOV)
Cc: Murray, David (GOV); Agen, Jarrod (GOV); Biehl, Laura (GOV); Kennedy, Jordan (GOV); Brown, Jessica (GOV)
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>
> **From:** Murray, David (GOV)
> **Sent:** Wednesday, October 07, 2015 10:44 PM
> **To:** Snyder, Rick (GOV) <[redacted]>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>;

Biehl, Laura (GOV) <BiehlL@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>
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517-335-6397, office
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<image001.jpg>

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From: Heaton, Anna (GOV)
Sent: Wednesday, October 21, 2015 1:43 PM
To: Kennedy, Jordan (GOV)
Subject: FW: Task Force release
Attachments: image001.jpg

From: Agen, Jarrod (GOV)
Sent: Wednesday, October 21, 2015 1:27 PM
To: Sara Wurfel <[redacted] Murray, David (GOV) <MurrayD1@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>; Paciorek, Josh (GOV) <Paciorekj@michigan.gov>
Subject: Fwd: Task Force release

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> **From:** "Snyder, Rick (GOV)" <[redacted]
> **Date:** October 21, 2015 at 1:15:45 PM EDT
> **To:** "Murray, David (GOV)" <MurrayD1@michigan.gov>
> **Cc:** "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>
> **Subject: RE: Task Force release**
>
> Looks good.
>
> Thanks
> Rick
>
> ---
>
> **From:** Murray, David (GOV)
> **Sent:** Wednesday, October 21, 2015 1:09 PM
> **To:** Snyder, Rick (GOV) <[redacted]
> **Cc:** Agen, Jarrod (GOV) <AgenJ@michigan.gov>
> **Subject:** Task Force release
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"Transitioning back to the Detroit Water and Sewerage Department-Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on potential changes to law, procedures and practices will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the residents in Flint and all of Michigan."

Snyder said the administration will fully cooperate with task force members, saying he wants an unbiased report focusing on steps taken in the past and recommendations that could improve practices to ensure all residents have access to safe, clean water.

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate majority leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served six years on the Ann Arbor City Council. He has been president of the MEC for six years.

Matthew Davis, M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. Davis also is a professor of health management and policy at the School of Public Health. He previously served as the chief medical executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal adviser for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

Lawrence Reynolds, M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center. He received his medical degree from Howard University College of Medicine and has been in practice for 36 years. He has served as president of the Genesee

County Medical Society and the Michigan Chapter of the American Academy of Pediatrics. He has been honored for his humanitarian and advocacy efforts on behalf of children from the Community Foundation of Greater Flint.

Snyder has said reconnecting with the authority is a critical step to resolving water quality issues and addressing related health concerns. It will not immediately resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality and Health and Human Services are continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

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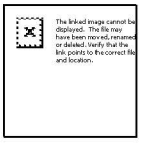

From: Emmitt, Beth (GOV)
Sent: Wednesday, February 18, 2015 9:42 AM
To: Agen, Jarrod (GOV)
Subject: FW: Tues meeting

From: Scott, Allison (GOV)
Sent: Tuesday, February 17, 2015 7:07 PM
To: Emmitt, Beth (GOV)
Cc: Wisniewski, Wendy (GOV)
Subject: Fwd: Tues meeting

Let's see if there is time on thurs that work for john and Jarrod per the below

Wendy see cos agenda items below

Sent from my iPhone

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> **From:** Rick Snyder <[redacted]
> **Date:** February 17, 2015 at 11:10:28 AM EST
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> **Subject: Re: Tues meeting**
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> Energy Message in March
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> Local and school transparency
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> DPS
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[redacted]

On Feb 17, 2015, at 10:55 AM, ALS RFM <[redacted]> wrote:

[redacted]

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Importance: High

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However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

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Sent: Thursday, October 08, 2015 12:05 AM
To: Murray, David (GOV); Agen, Jarrod (GOV)
Cc: Heaton, Anna (GOV); Biehl, Laura (GOV); Kennedy, Jordan (GOV); Brown, Jessica (GOV)
Subject: Re: Press release with mayor, Mott quotes
Attachments: image001.jpg

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Cc: Murray, David (GOV); Agen, Jarrod (GOV); Biehl, Laura (GOV); Kennedy, Jordan (GOV); Brown, Jessica (GOV)
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> On Oct 8, 2015, at 12:05 AM, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:
>
> > Also we need to add in Jason Lorenz from City of Flint, and Kathryn Thomas from Mott Foundation as contacts on the release. And Karen from DEQ too.
> >
> > Forwarding vcards to Anna for incorporation.
> >
> > Sent from my iPad
> >
> > On Oct 7, 2015, at 11:52 PM, Wurfel, Sara (GOV) <Wurfels@michigan.gov> wrote:
> >
> > > Team –
> > >
> > > A few things based on other dept edits. See below highlighted. I believe these are necessary and help. But please review and make sure makes sense to you as well.
> > >
> > > Also – the Detroit system pulls from both Lake Huron and the Detroit River. Mott is working on amending Ridgway's quote. See below for info:
> > >
> > > Water 101/Q&A about Water Treatment -
> > > http://www.dwsd.org/pages_n/water101.html
> > > Q: What is the source my drinking water?
> > > A: The Detroit Water and Sewerage Department gets all of its water from the Detroit River and Lake Huron.
> > >
> > > Detroit Water & Sewerage Dept Fact Sheet –
> > > http://www.dwsd.org/downloads_n/about_dwsd/fact_sheet/dwsd_fact_sheet.pdf
> > > The water system draws fresh water from the Great Lakes System, with Lake Huron to the north and the Detroit River to the south.

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 10:44 PM
To: Snyder, Rick (GOV) <[redacted]>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>
Subject: Press release with mayor, Mott quotes

Good evening Governor and team,

Here's the most updated version of the press release, including quotes and incorporating suggestions from Mayor Walling and the Mott Foundation friends. Please let me know if there are any other changes. Thank you for your assistance.

Dave

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation, city form partnership to fund switch until KWA is ready

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water until the Karegnondi Water Authority pipeline is completed, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide half, or $6 million, of the $12 million needed to reconnect with the authority through next summer, when the KWA is expected to be completed. The Flint city government will provide $2 million and the Charles Stewart Mott Foundation has committed $4 million.

"All Flint residents need clean, safe drinking water," Snyder said. "The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result

of people coming together to solve a problem. I appreciate Detroit's willingness to reconnect with Flint, the Mott Foundation's generous commitment, and the dedication of all parties to come together to protect Flint families and children."

Flint city leaders requested the state's help to fund the reconnection and to assist with health and infrastructure issues. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

"It's heartening to know so many people are working at so many levels to bring safe, clean water back to Flint," Mott Foundation President Ridgway White said. "We believe that reconnecting the city's water supply ~~to Lake Huron~~ is the right and necessary thing to do, and we're glad we could help the state and the city make it happen."

The move to Detroit water~~, which is drawn from Lake Huron,~~ IS EXPECTED TO CARRY many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can sometimes be present in shallower rivers. Additionally, the Great Lakes Water Authority water already has additional corrosion control, using phosphates to help coat the insides of pipes and LIMIT lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

"Reconnecting to Detroit is the fastest way to deliver clean, safe water to Flint and stabilize the infrastructure system," Flint Mayor Dayne Walling said. "I appreciate the state, the Mott Foundation, Detroit, and the county's participation in a solution for Flint's water problems. The health and safety of Flint's families, children and seniors is my top priority and reconnecting to Detroit is a major step that the city could not take alone given budget constraints."

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. "MOVED FROM 4" GRAPH TO HERE FOR FLOW ON ADDITIONAL STATE ACTION""The Michigan Departments of Environmental Quality and Health and Human Services today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations. For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation. At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it's as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

###

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted], mobile
Twitter:@michigandmurray

<image001.jpg>

<image001.jpg>

From: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>
Sent: Tuesday, October 13, 2015 11:24 AM
To: connersp@michigan.gov; Muchmore, Dennis (GOV); Walsh, John (GOV); McPhee, Karen (GOV); Murray, David (GOV); Khouri, Nick (TREASURY); Baird, Richard (GOV); Stanton, Terry A. (Treasury); Saxton, Thomas (Treasury); Wurfel, Sara (GOV); Snyder, Rick (GOV)
Cc: Kelly Rossman-McKinney; Darnell Earley
Subject: Fw: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

All,

Mr. Earley asked me to share with you his response to the below media inquiry. It was as follows:

"The decision to separate from DWSD and go with the Karegnondi Water Authority, including the decision to pump Flint river water in the interim, were both a part of a long-term plan that was approved by Flint's Mayor, and confirmed by a City Council vote of 7-1 in March of 2013 - a full seven months before I began my term as Emergency Manager. That vote was supported and signed into emergency order by then Emergency Manager Edward Kurtz on March 29, 2013. It was my responsibility to implement the previously accepted and approved plan as the contract with DWSD expired in April 2014 during my term as EM. It did not fall to me to second guess or to invalidate the actions that were taken prior to my appointment. An even bigger concern that everyone should be focused on moving forward is what is done in the long-term to replace the crumbling water distribution system that exits throughout Flint and Genesee County."

Please let him know if you have any questions.

Thanks.

Michelle Z.

Michelle A. Zdrodowski
Executive Director of Communications
Detroit Public Schools
3011 W. Grand Boulevard, 14th Floor
Detroit, MI 48202
313.873.3238, office
[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

8[redacted]
Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier
Office Manager
Detroit Public Schools
Office of Communications
Fisher Building, 14th Floor
3011 West Grand Boulevard
Detroit, MI 48202
(313) 873-3494 desk
(313) 873-6269 fax

From: Kelly Rossman-McKinney [redacted]
Sent: Tuesday, October 13, 2015 11:38 AM
To: Michelle Zdrodowski
Cc: connersp@michigan.gov; Muchmore, Dennis (GOV); Walsh, John (GOV); McPhee, Karen (GOV); Murray, David (GOV); Khouri, Nick (TREASURY); Baird, Richard (GOV); Stanton, Terry A. (Treasury); Saxton, Thomas (Treasury); Wurfel, Sara (GOV); Snyder, Rick (GOV); Darnell Earley
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Works for me!

Sent from my iPhone

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> Michelle Z.

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Executive Director of Communications

Detroit Public Schools

3011 W. Grand Boulevard, 14th Floor

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313.873.3238, office

[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

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Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Baird, Richard (GOV)
Sent: Tuesday, October 13, 2015 11:46 AM
To: Wurfel, Sara (GOV); Murray, David (GOV); Workman, Wayne (TREASURY)
Subject: Fwd: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Is this okay with you folks? I think Darnell is feeling unfairly maligned.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Kelly Rossman-McKinney <[redacted]
Date: Oct 13, 2015 11:37 AM
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response
To: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>
Cc: connersp@michigan.gov,"Muchmore, Dennis (GOV)" <muchmored@michigan.gov>,"Walsh, John (GOV)" <WalshJ@michigan.gov>,"McPhee, Karen (GOV)" <McPheeK1@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Khouri, Nick (TREASURY)" <KhouriN@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>,"Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>,"Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>,"Wurfel, Sara (GOV)" <Wurfels@michigan.gov>,"Snyder, Rick (GOV)" <[redacted],Darnell Earley <darnell.earley@detroitk12.org>

Works for me!

Sent from my iPhone

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Michelle Z.

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Executive Director of Communications

Detroit Public Schools

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Detroit, MI 48202

313.873.3238, office

[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted] - [redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier

Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Wurfel, Sara (GOV)
Sent: Tuesday, October 13, 2015 11:49 AM
To: Kelly Rossman-McKinney
Cc: Michelle Zdrodowski; connersp@michigan.gov; Muchmore, Dennis (GOV); Walsh, John (GOV); McPhee, Karen (GOV); Murray, David (GOV); Khouri, Nick (TREASURY); Baird, Richard (GOV); Stanton, Terry A. (Treasury); Saxton, Thomas (Treasury); Snyder, Rick (GOV); Darnell Earley
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Calling you now, Michelle.

Thanks much,
SW

Sara Wurfel
Press Secretary | Executive Office of Governor Rick Snyder

Sent from my iPhone

On Oct 13, 2015, at 11:37 AM, Kelly Rossman-McKinney <[redacted]> wrote:

> Works for me!
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[redacted] mobile

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Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

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Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Workman, Wayne (TREASURY)
Sent: Tuesday, October 13, 2015 12:29 PM
To: Baird, Richard (GOV); Wurfel, Sara (GOV); Murray, David (GOV)
Subject: RE: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

The only change might be to add that DWSD terminating Flint from their system caused Flint to go to the river, Just saw Darnell at HOB.

Wayne L. Workman
Deputy State Treasurer
Michigan Department of Treasury

From: Baird, Richard (GOV)
Sent: Tuesday, October 13, 2015 11:46 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: Fwd: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

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To: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>
Cc: connersp@michigan.gov,"Muchmore, Dennis (GOV)" <muchmored@michigan.gov>,"Walsh, John (GOV)" <WalshJ@michigan.gov>,"McPhee, Karen (GOV)" <McPheeK1@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Khouri, Nick (TREASURY)" <KhouriN@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>,"Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>,"Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>,"Wurfel, Sara (GOV)" <Wurfels@michigan.gov>,"Snyder, Rick (GOV)" <[redacted]>,Darnell Earley <darnell.earley@detroitk12.org>

Works for me!

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Sent: Tuesday, October 13, 2015 10:27 AM
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Ron Fonger - Flint Journal

[redacted] - [redacted]

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3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Snyder, Rick (GOV)
Sent: Wednesday, October 21, 2015 1:16 PM
To: Murray, David (GOV)
Cc: Agen, Jarrod (GOV)
Subject: RE: Task Force release

Looks good.

Thanks
Rick

From: Murray, David (GOV)
Sent: Wednesday, October 21, 2015 1:09 PM
To: Snyder, Rick (GOV) <[redacted]>
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: Task Force release

Good afternoon, Governor.

Jarrod asked me to send you a copy of the release, updated with input from the task force members. I've also attached the discussion points the members created during their meeting.

Please let me know if you 'd like any changes. Our plan is to release before your MiWeek interview so you can reference it.

Dave

Gov. Rick Snyder announces Flint Water Task Force to review state, federal and municipal actions, offer recommendations

Experts in public health, water management, environmental protection to focus on steps to protect residents

LANSING, Mich. – Gov. Rick Snyder today announced the creation of an independent advisory task force charged with reviewing actions regarding water use and testing in Flint and offer recommendations for future guidelines to protect the health and safety of all state residents.

Task force members include experts in public health and medicine, water management, and environmental protection from both sides of the aisle, and will be co-chaired by Ken Sikkema of Public Sector Consultants and Chris Kolb, of the Michigan Environmental Council. Also serving will be Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein, of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center in Flint.

"Transitioning back to the Detroit Water and Sewerage Department-Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on potential changes to law, procedures and practices will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the residents in Flint and all of Michigan."

Snyder said the administration will fully cooperate with task force members, saying he wants an unbiased report focusing on steps taken in the past and recommendations that could improve practices to ensure all residents have access to safe, clean water.

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate majority leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served six years on the Ann Arbor City Council. He has been president of the MEC for six years.

Matthew Davis, M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. Davis also is a professor of health management and policy at the School of Public Health. He previously served as the chief medical executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal adviser for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

Lawrence Reynolds, M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center. He received his medical degree from Howard University College of Medicine and has been in practice for 36 years. He has served as president of the Genesee County Medical Society and the Michigan Chapter of the American Academy of Pediatrics. He has been honored for his humanitarian and advocacy efforts on behalf of children from the Community Foundation of Greater Flint.

Snyder has said reconnecting with the authority is a critical step to resolving water quality issues and addressing related health concerns. It will not immediately resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality and Health and Human Services are continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

####

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

From: Agen, Jarrod (GOV)
Sent: Wednesday, October 21, 2015 1:27 PM
To: Sara Wurfel; Murray, David (GOV); Biehl, Laura (GOV); Heaton, Anna (GOV); Paciorek, Josh (GOV)
Subject: Fwd: Task Force release
Attachments: image001.jpg

Lets get this out between 2pm-2:15pm at the LATEST!

Begin forwarded message:

From: "Snyder, Rick (GOV)" <[redacted]
Date: October 21, 2015 at 1:15:45 PM EDT
To: "Murray, David (GOV)" <MurrayD1@michigan.gov>
Cc: "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>
Subject: RE: Task Force release

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Thanks
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Experts in public health, water management, environmental protection to focus on steps to protect residents

LANSING, Mich. – Gov. Rick Snyder today announced the creation of an independent advisory task force charged with reviewing actions regarding water use and testing in Flint and offer recommendations for future guidelines to protect the health and safety of all state residents.

Task force members include experts in public health and medicine, water management, and environmental protection from both sides of the aisle, and will be co-chaired by Ken Sikkema of Public Sector Consultants and Chris Kolb, of the Michigan Environmental Council. Also serving will be Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein, of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center in Flint.

"Transitioning back to the Detroit Water and Sewerage Department-Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on potential changes to law, procedures and practices will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the residents in Flint and all of Michigan."

Snyder said the administration will fully cooperate with task force members, saying he wants an unbiased report focusing on steps taken in the past and recommendations that could improve practices to ensure all residents have access to safe, clean water.

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate majority leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served six years on the Ann Arbor City Council. He has been president of the MEC for six years.

Matthew Davis, M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. Davis also is a professor of health management and policy at the School of Public Health. He previously served as the chief medical executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal adviser for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

Lawrence Reynolds, M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center. He received his medical degree from Howard University College of Medicine and has been in practice for 36 years. He has served as president of the Genesee County Medical Society and the Michigan Chapter of the American Academy of Pediatrics. He has been honored for his humanitarian and advocacy efforts on behalf of children from the Community Foundation of Greater Flint.

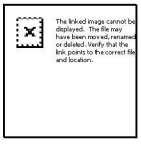
Snyder has said reconnecting with the authority is a critical step to resolving water quality issues and addressing related health concerns. It will not immediately resolve the city's problem with

lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality and Health and Human Services are continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

####

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray



From: Holland, Meegan (GOV)
Sent: Monday, January 04, 2016 5:21 PM
To: Stoken, Laura (GOV); Murray, David (GOV); Agen, Jarrod (GOV)
Subject: RE: Additional Steps for Flint

Thanks for this, Laura. Very helpful to know about this!

From: Stoken, Laura (GOV)
Sent: Monday, January 04, 2016 3:12 PM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: FW: Additional Steps for Flint

FYI: The below e-mail came into the Governor's public facing account- I forwarded this onto ALS but figured you might want this on your radar…..

Laura Stoken
Manager, Constituent Relations
Executive Office of the Governor, Rick Snyder
[redacted]

From: Rep. Sheldon Neeley (District 34) [mailto:SheldonNeeley@house.mi.gov]
Sent: Monday, January 04, 2016 2:24 PM
To: GovernorsOffice <[redacted]; Snyder, Rick (GOV) <[redacted]; Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Additional Steps for Flint

Governor Snyder,

In the interest of being sensitive to the unforeseen problems that will affect children of this Flint Water Crisis, I am formally requesting you to forgive the debt balance currently imposed on the Flint Community Schools. I make this request because this school district will have the majority burden of addressing issues relating to the lead intrusion into the blood of children in this school system. There will be untold problems for years to come that will require an already overwhelmed school district to be required to meet the needs of these children who are victims of this disaster.

Respectfully,

Sheldon Neeley
State Representative
34th District

From: Biehl, Laura (GOV)
Sent: Thursday, October 08, 2015 8:50 AM
To: Weiss, Kurt (DTMB)
Subject: FW: Press release with mayor, Mott quotes
Attachments: 151008 Flint water release_V4.docx

From: Murray, David (GOV)
Sent: Wednesday, October 07, 2015 10:44 PM
To: Snyder, Rick (GOV) <[redacted]; Agen, Jarrod (GOV) <AgenJ@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>; Biehl, Laura (GOV) <BiehlL@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>; Eisner, Jennifer (DHHS) <EisnerJ@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Heaton, Anna (GOV) <HeatonA@michigan.gov>
Subject: Press release with mayor, Mott quotes

Good evening Governor and team,

Here's the most updated version of the press release, including quotes and incorporating suggestions from Mayor Walling and the Mott Foundation friends. Please let me know if there are any other changes. Thank you for your assistance.

Dave

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation, city form partnership to fund switch until KWA is ready

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water until the Karegnondi Water Authority pipeline is completed, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide half, or $6 million, of the $12 million needed to reconnect with the authority through next summer, when the KWA is expected to be completed. The Flint city government will provide $2 million and the Charles Stewart Mott Foundation has committed $4 million.

"All Flint residents need clean, safe drinking water," Snyder said. "The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit's willingness to reconnect with Flint, the Mott Foundation's generous commitment, and the dedication of all parties to come together to protect Flint families and children."

The Michigan Departments of Environmental Quality and Health and Human Services today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection and to assist with health and infrastructure issues. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

"It's heartening to know so many people are working at so many levels to bring safe, clean water back to Flint," Mott Foundation President Ridgway White said. "We believe that reconnecting the city's water supply to Lake Huron is the right and necessary thing to do, and we're glad we could help the state and the city make it happen."

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can sometimes be present in shallower rivers. Additionally, the Great Lakes Water Authority water already has additional corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

"Reconnecting to Detroit is the fastest way to deliver clean, safe water to Flint and stabilize the infrastructure system," Flint Mayor Dayne Walling said. "I appreciate the state, the Mott Foundation, Detroit, and the county's participation in a solution for Flint's water problems. The health and safety of Flint's families, children and seniors is my top priority and reconnecting to Detroit is a major step that the city could not take alone given budget constraints."

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations. For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation. At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it's as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

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Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

CONTACTS:	FOR IMMEDIATE RELEASE
Sara Wurfel or Dave Murray Governor's Office: 517-335-6397 Brad Wurfel, 517-284-6713 Department of Environmental Quality Jennifer Eisner, 517-230-9804 Department of Health and Human Services	Thursday, Oct. 8, 2015

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

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###

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 4:05 PM
To: Holland, Meegan (GOV); Murray, David (GOV)
Subject: FW: Flint Water Advisory Task Force Recommendation
Attachments: KRS version of Snyder Letter 2 (1).docx

fyi

From: Ken Sikkema [mailto:ksikkema@pscinc.com]
Sent: Monday, December 07, 2015 3:31 PM
To: Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein; Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force Recommendation

Dear Governor Snyder:

We want to thank you for the recent conference call between members of the Flint Water Advisory Task Force (FWATF), yourself, and members of your administration. Attached is a follow-up letter to that conference call outlining an initial set of recommendations that we believe should be implemented in the very near future to focus the state's efforts to protect the public health in Flint.

We both acknowledge and appreciate your personal interest in this issue and your commitment, not only to assisting the Task Force in our review, but--most importantly--to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully,

Ken Sikkema

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
[redacted]
ksikkema@pscinc.com

December 7, 2015

Dear Governor Snyder:

On Wednesday, November 18, 2015, the Flint Water Advisory Task Force met with representatives of the Michigan Department of Environmental Quality (MDEQ) and the Michigan Department of Health and Human Services (MDHHS) to discuss elements of the 10-point Action Plan designed to address various issues related to the ongoing public health protection challenges precipitated by lead in the Flint water supply. These discussions were held at our request as part of our task to make recommendations to prevent a similar occurrence in Flint or elsewhere, and also to monitor ongoing mitigation efforts.

Subsequent to those meetings, on Tuesday, November 24, 2015, members of the Task Force participated in a conference call with yourself, members of the Administration, and representatives of these agencies to discuss the progress to date on the 10-point Action Plan, as well as several other related issues.

We want to acknowledge the steps that have already been taken to implement the action plan, specifically in the areas of outreach efforts to facilitate blood lead testing for children, communication with health care providers in the Flint community about the importance of testing children for lead, and the training of additional public health nurses in the Genesee County Health Department. We do believe, however, that additional steps need to be taken to reach additional children for blood lead testing, assure proper follow-up with children found to have elevated blood lead levels, and to continue water testing. We will continue to assess state and local efforts and make recommendations regarding specific steps that we believe are warranted.

One primary concern we have at this point is that the current efforts appear to be taking place in the absence of a larger project coordination framework that measures results and clearly delineates responsibilities for continuing actions to protect public health. We believe the state is best positioned to facilitate this larger framework, which should address the following:

1. The need for MDHHS and MDEQ—and, possibly, other state agencies--to set **goals** for actions in collaboration with local and federal agencies and organizations.
2. The need for a set of corresponding **timelines** for the goals.
3. The need to establish **responsibility** for meeting the goals in a timely fashion and for **contingency plans** for the state if the goals are not being met.
4. The need for clear, regular **communication** with the Flint community and stakeholder groups regarding action steps and updates.

We also believe it important that a single person or entity—potentially independent of any one particular state agency and mutually agreeable to this Task Force and you, Governor—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood “dashboard” should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard.

We believe it is vitally important that trusted members of the Flint community be engaged in communication on this issue, as well as the distribution of information conveyed by our suggested dashboard reporting. Accordingly, in advance of our final report, we would like to ensure the independent coordinator suggested above engage trusted community groups to begin rebuilding community trust in state actions.

We appreciate your personal interest in this issue, commitment to assisting the Task Force in our review, and—most importantly—commitment to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully yours,

Flint Water Advisory Task Force:

Dr. Matt Davis

Chris Kolb

Dr. Larry Reynolds

Eric Rothstein

Ken Sikkema

From: Murray, David (GOV)
Sent: Tuesday, December 08, 2015 11:10 AM
To: Agen, Jarrod (GOV); Holland, Meegan (GOV)
Subject: FW: Flint Water Advisory Task Force Recommendation
Attachments: KRS version of Snyder Letter 2 (1).docx

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 4:05 PM
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fyi

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Public Sector Consultants
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Respectfully yours,

Flint Water Advisory Task Force:

Dr. Matt Davis

Chris Kolb

Dr. Larry Reynolds

Eric Rothstein

Ken Sikkema

From: Baird, Richard (GOV)
Sent: Thursday, December 24, 2015 10:49 AM
To: Holland, Meegan (GOV)
Subject: Re: Today's Briefing

You take him through it verbally ok?. I just sent him the revised statement.

Sent from my iPad

> On Dec 24, 2015, at 9:47 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:
>
> It occurs to me - should he also receive the communications plan we've been working on? I've sent you an updated one (with the revised statement).
>
> -----Original Message-----
> From: Baird, Richard (GOV)
> Sent: Thursday, December 24, 2015 10:24 AM
> To: Snyder, Rick (GOV) <[redacted]; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>
> Subject: Today's Briefing
>
> Sorry for the late submission. Been trying to work this issue across various stakeholder groups and balance holiday commitments. Our Agenda (with Harvey adding under "Other":
>
> 1. Review HH Role and Responsibility as confirmed with FAATF (attachment (with some revision since meeting)
>
> 2. Other AATF Issues
>
> a) schedule a conference call with Governor outlining current status
>
> b) follow up with a letter discussing DEQ and leadership culture findings
>
> c) Imminent Danger Declaration request
>
> d) Concerns with Leadership appointments about to be made and DHHS recent responses/findings
>
> e) Shared confidential plan relative to January 4 personnel actions
>

[redacted]

>
> <DRAFT Flint water communications plan.docx>

From: Thelen, Mary Beth (DEQ)
Sent: Monday, December 28, 2015 10:50 AM
To: Holland, Meegan (GOV)
Subject: RE: Auditor General Letter – City of Flint Drinking Water

Thanks – we are just verifying for accuracy. I'll let him know your number, etc.

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or [redacted]
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Holland, Meegan (GOV)
Sent: Monday, December 28, 2015 10:48 AM
To: Thelen, Mary Beth (DEQ)
Subject: RE: Auditor General Letter – City of Flint Drinking Water

Thanks for the heads up! I was just about to call him. ☺ If he needs to call me, I'm in the office until noon, or my cell: [redacted]

From: Thelen, Mary Beth (DEQ)
Sent: Monday, December 28, 2015 10:47 AM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>
Subject: RE: Auditor General Letter – City of Flint Drinking Water

Dan will get back to you in a few minutes with a change. Thanks.

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or [redacted]
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Holland, Meegan (GOV)
Sent: Monday, December 28, 2015 10:12 AM
To: Wyant, Dan (DEQ)
Subject: RE: Auditor General Letter – City of Flint Drinking Water

Dan –

Dave shared with me the draft of the report. We're eager for the OAG to release this. Meanwhile, I wrote a summary of the conclusions for the Governor's senior staff. Could you read this for accuracy? I'd very much appreciate your feedback.

We will likely give a version of this to reporters who ask about the auditor's letter.

Regards, Meegan

Here is a summary of answers from the Office of the Auditor General in response to questions mostly posed by Sen. Jim Ananich's office (the auditor added a few questions in the 11-page report). The questions came as the OAG conducts an audit of the Office of Drinking Water and Municipal Assistance's handling of the Flint water crisis.

Conclusions:

While the City Council voted in March 2013 to move to the KWA pipeline, it didn't designate the Flint River as an interim water source. But the DEQ had approved the river as a backup source for emergency purposes in 2006. The treated water met safety standards in quarterly tests by the Flint WTP, but Flint had never tested its effect on the distribution system.

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Cc: Wyant, Dan (DEQ) <WyantD@michigan.gov>
Subject: FW: Auditor General Letter – City of Flint Drinking Water

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To: Holland, Meegan (GOV)
Cc: Wyant, Dan (DEQ)
Subject: RE: Auditor General Letter – City of Flint Drinking Water

Importance: High

Good Morning Meegan,

This looks excellent with one word change – 5th paragraph , please change the word oversee to operate. (Change to: DEQ doesn't operate…)

Thank you.

Dan Wyant
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From: Holland, Meegan (GOV)
Sent: Thursday, December 24, 2015 10:50 AM
To: Baird, Richard (GOV)
Subject: RE: Today's Briefing

Will do.

-----Original Message-----
From: Baird, Richard (GOV)
Sent: Thursday, December 24, 2015 10:49 AM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>
Subject: Re: Today's Briefing

You take him through it verbally ok?. I just sent him the revised statement.

Sent from my iPad

> On Dec 24, 2015, at 9:47 AM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:
>
> It occurs to me - should he also receive the communications plan we've been working on? I've sent you an updated one (with the revised statement).
>
> -----Original Message-----
> From: Baird, Richard (GOV)
> Sent: Thursday, December 24, 2015 10:24 AM
> To: Snyder, Rick (GOV) <[redacted]>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Holland, Meegan (GOV) <HollandM2@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>
> Subject: Today's Briefing
>
> Sorry for the late submission. Been trying to work this issue across various stakeholder groups and balance holiday commitments. Our Agenda (with Harvey adding under "Other":
>
> 1. Review HH Role and Responsibility as confirmed with FAATF (attachment (with some revision since meeting)
>
> 2. Other AATF Issues
>
> a) schedule a conference call with Governor outlining current status
>
> b) follow up with a letter discussing DEQ and leadership culture findings
>
> c) Imminent Danger Declaration request
>
> d) Concerns with Leadership appointments about to be made and DHHS recent responses/findings
>
> e) Shared confidential plan relative to January 4 personnel actions
>
> 3. Discuss communications strategy as envisioned by MH, JA and RB last night (Meegan will be on call--Maybe Jarrod too busy not sure about yet)

>
> 4. Other (Harvey Hollins will deal with anything I missed)
>
> <DRAFT Flint water communications plan.docx>

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Dan –

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Sent: Monday, December 28, 2015 10:48 AM
To: Thelen, Mary Beth (DEQ)
Subject: RE: Auditor General Letter – City of Flint Drinking Water

Thanks for the heads up! I was just about to call him. ☺ If he needs to call me, I'm in the office until noon, or my cell: [redacted].

From: Thelen, Mary Beth (DEQ)
Sent: Monday, December 28, 2015 10:47 AM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>
Subject: RE: Auditor General Letter – City of Flint Drinking Water

Dan will get back to you in a few minutes with a change. Thanks.

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or [redacted]
Fax: 517-241-7401
Thelenm2@michigan.gov

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Sent: Monday, January 04, 2016 5:21 PM
To: 'Stoken, Laura (GOV)'; Murray, David (GOV); Agen, Jarrod (GOV)
Subject: RE: Additional Steps for Flint

Thanks for this, Laura. Very helpful to know about this!

From: Stoken, Laura (GOV)
Sent: Monday, January 04, 2016 3:12 PM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: FW: Additional Steps for Flint

FYI: The below e-mail came into the Governor's public facing account- I forwarded this onto ALS but figured you might want this on your radar…..

Laura Stoken
Manager, Constituent Relations
Executive Office of the Governor, Rick Snyder
517.335.7858

From: Rep. Sheldon Neeley (District 34) [mailto:SheldonNeeley@house.mi.gov]
Sent: Monday, January 04, 2016 2:24 PM
To: GovernorsOffice [redacted] Snyder, Rick (GOV) [redacted] Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Additional Steps for Flint

Governor Snyder,

In the interest of being sensitive to the unforeseen problems that will affect children of this Flint Water Crisis, I am formally requesting you to forgive the debt balance currently imposed on the Flint Community Schools. I make this request because this school district will have the majority burden of addressing issues relating to the lead intrusion into the blood of children in this school system. There will be untold problems for years to come that will require an already overwhelmed school district to be required to meet the needs of these children who are victims of this disaster.

Respectfully,

Sheldon Neeley
State Representative
34th District

From: Baird, Richard (GOV)
Sent: Monday, December 28, 2015 9:45 AM
To: Brownfield, Michael (GOV)
Subject: Fwd: Today's Briefing
Attachments: FLint Outline of Role and Responsibility.docx; ATT00001.txt

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Dec 24, 2015 10:23 AM
Subject: Today's Briefing
To: "Snyder, Rick (GOV)" [redacted]"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Holland, Meegan (GOV)" <HollandM2@michigan.gov>,"Agen, Jarrod (GOV)" <AgenJ@michigan.gov>
Cc:

Sorry for the late submission. Been trying to work this issue across various stakeholder groups and balance holiday commitments. Our Agenda (with Harvey adding under "Other":

1. Review HH Role and Responsibility as confirmed with FAATF (attachment (with some revision since meeting)

2. Other AATF Issues

a) schedule a conference call with Governor outlining current status

b) follow up with a letter discussing DEQ and leadership culture findings

c) Imminent Danger Declaration request

d) Concerns with Leadership appointments about to be made and DHHS recent responses/findings

e) Shared confidential plan relative to January 4 personnel actions

3. Discuss communications strategy as envisioned by MH, JA and RB last night (Meegan will be on call--Maybe Jarrod too busy not sure about yet)

4. Other (Harvey Hollins will deal with anything I missed)

Outline of Role and Responsibility—Harvey Hollins
Flint After Action Task Force and Local/County/State Coordination
Key Activities Draft

I. Confirm key stakeholders that should convene on a regular basis to do the following:

   a. Identify resources and support required to manage continued testing, cognitive assessment, updates on progress, impediments, community outreach, etc.

   b. Assess delivery of resources protocols and adjust (door to door, neighborhood centers, etc.)

   c. Agree a communications strategy within the stakeholder community and aggressively inform the residents of Flint of resources available and consequences of inaction.

II. Create a short/medium and long term plan to capture roles and responsibilities at the local, county, state (and federal if appropriate) levels which will be reviewed and approved by the key stakeholder body.

III. Be responsive to mayor, media, residents and all stakeholders about what currently is being done and how the way forward is being envisioned and agreed by stakeholder leadership.

IV. Work to eliminate duplication of effort and ensure that members of the science community engaged in assessing and protecting the public health have unfettered access to data, reports, etc. and establish a mutually agreeable process to surface and resolve conflicting interpretations of data when it occurs.

V. Coordinate with State departments (DHHS, DEQ, Executive Office) to secure funding needed and subject matter resources to ensure long term monitoring and remediation efforts.

VI. Ensure that the recommendations of the After Action Task Force are executed.

VII. Provide weekly status updates to Governor Snyder and members of his team charged with supporting the Chief Coordinator.

VIII. Determine how what is being done in Flint is relevant to other communities and needs to be shared as part of a state wide strategy. This may also impact future policy development to address long term infrastructure remediation.

Thanks,

Rich
Sent from my iPad

From: Hall, Jean (GOV)
Sent: Monday, November 16, 2015 10:22 AM
To: Stoken, Laura (GOV)
Cc: Lukasik, Liz (GOV); Brownfield, Michael (GOV)
Subject: RE: Current Flood Emergency - McNeil Technologies, Inc. to Governor Rick Snyder

Did anyone respond to you on this? It seems to me they should be referred to Procurement, so they can go through the same process as everyone else who wants to do business with the state -- if we respond at all.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Stoken, Laura (GOV)
Sent: Thursday, November 12, 2015 3:31 PM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Lukasik, Liz (GOV) <LukasikL@michigan.gov>
Subject: FW: Current Flood Emergency - McNeil Technologies, Inc. to Governor Rick Snyder

I'm not sure who this should go to? IS this something Strategy should be getting?

Thanks,

Laura

From: Ronald McNeil [redacted]
Sent: Thursday, November 12, 2015 3:30 PM
To: Snyder, Rick (GOV) [redacted]
Cc: [redacted]
Subject: Fwd: Current Flood Emergency - McNeil Technologies, Inc. to Governor Rick Snyder

Good Day Governor Rick Snyder,

Please confirm receipt of the attached Request to assist Flint, Michigan and surrounding areas in assessing and solving the current flood emergency.

Please provide the correct point of contact information for instructions and a better understanding of this process and how to work in tandem with your office.

Kindest Regards,

Ron McNeil
McNeil Technologies, Inc.

[redacted]

From: Paciorek, Josh (GOV)
Sent: Monday, January 26, 2015 9:16 AM
To: Agen, Jarrod (GOV); Wurfel, Sara (GOV); Biehl, Laura (GOV); Brown, Jessica (GOV); Rexford, Tori (GOV); Murray, David (GOV); Silfven, Ken (GOV)
Subject: RE: Hit Time and Focus for Today's 11a b
Attachments: Adressing Flint's Water Concerns final.docx; Flint Water TPs.docx; PR.150116.SameSex.docx

Hi team,

Here are the talking points regarding Flint water, the doc addressing Flint' Water Concerns, and the Gov's statement on the Supreme Court/Same-sex.

I don't think the Gov has said anything public regarding Flint water, but I doubled check and still didn't find any articles, quotes, etc. There was this article about Mayor Walling's letter to the gov regarding Flint water: http://www.mlive.com/news/flint/index.ssf/2015/01/flint_mayor_asks_governor_for.html

Josh

From: Agen, Jarrod (GOV)
Sent: Monday, January 26, 2015 8:52 AM
To: Wurfel, Sara (GOV); Biehl, Laura (GOV); Brown, Jessica (GOV); Paciorek, Josh (GOV); Rexford, Tori (GOV); Murray, David (GOV); Silfven, Ken (GOV)
Subject: RE: Hit Time and Focus for Today's 11a b

I've asked Josh to pull Gov's statement on Supreme Court/Same-Sex to refresh Gov.
Also – we'll need anything state has said on Flint water (if anything).

From: Wurfel, Sara (GOV)
Sent: Monday, January 26, 2015 8:50 AM
To: Agen, Jarrod (GOV); Biehl, Laura (GOV); Brown, Jessica (GOV); Paciorek, Josh (GOV); Rexford, Tori (GOV); Murray, David (GOV); Silfven, Ken (GOV)
Subject: FW: Hit Time and Focus for Today's 11a b
Importance: High

FYI

From: Malzberg, Marie [mailto:Marie.Maizberg@turner.com]
Sent: Monday, January 26, 2015 8:46 AM
To: Wurfel, Sara (GOV)
Subject: Hit Time and Focus for Today's 11a b
Importance: High

Good Morning Sara!

As of now, we have Governor Snyder hitting with John Berman and Kate Bolduan at about 11:20a ET. The FOX studio is good to go!

Thanks again!
Marie

MARIE MALZBERG
CNN SR. EDITORIAL PRODUCER
212-275-8261
917-751-5728
MARIEMALZBERG@TURNER.COM
@MARIECNN

Addressing Flint's Water Concerns

Recent events have raised concerns among many as to the safety and quality of the water provided by the City's utility system. The City is and continues to be committed to assuring that residents and visitors know that the water is safe and that those responsible for providing water are working every day to improve the quality of the water. The quality of the water does need improvement, but that is not to be confused with safety of the water. The recent notice by MDEQ clearly stated that the water provided by the utility system is safe to drink, but cautioned that some vulnerable groups may want to consult with their health care provider if they have concerns. The City remains committed to their efforts to assure that the water is safe for everyone and that quality is improved.

To date, the City has taken the following actions:

- As an integral part of the transition to the Flint River on a temporary basis, the MDEQ was consulted about the City's plans, and ultimately issued necessary permits to proceed. The City also engaged the services of the LAN engineering firm to guide the city in installing the necessary equipment to treat the water on an ongoing basis. This resulted in the development of a comprehensive drinking water plan.

- The City monitors its water quality on a daily basis to assure that water quality remains within established guidelines. With the variances in water temperature and the leakage and infiltration problems arising as the result of failure of parts of the distribution system, water quality did exceed, for a time some of the established guidelines. This resulted in the issuance of the recent notices to the public. Upon receipt of information that some guidelines were exceeded, the City's priority focus was to bring water quality back within guidelines. Efforts taken to address non-compliance included increasing water flow through valve replacements and hydrant flushing and optimizing treatment processes.

- The City has committed to increasing communication with the public in order to inform water users factually of the issues which have arisen, to alleviate unnecessary concern, to identify the steps being taken to address the issues. This is being implemented through detailed and easy to understand educational materials being made available both online and at City Hall, as well as through ongoing public informational meetings.

- Most recently, in light of recent concerns raised by resident groups over the quality and safety of water, Department of Public Works Director Howard Croft and his staff collected questions from citizens during a recent public meeting. After reviewing these questions, DPW Director Croft and his staff set out to answer them in concise detail; the result of that work is a full Water System Questions and Answers document which has been made available online. Along with the detailed information within, the document also contains links to other source documents and regulatory statutes found online which were used as reference. "We want the residents, businesses and visitors of Flint to know that the water in Flint is safe and that we are working every day to make improvements to our system to ensure that," said Croft. "Our goal is make sure we get people the

information on our efforts and assure them that we are on the right track with them." More documentation, including regular water quality monitoring reports, will be made available as they become ready for distribution.

- Additionally, a number of public meetings have and will continue to take place. Two of the most recent of these took place at the Antioch Baptist Church and the Mott Community College Regional Technology Center. These meetings were held by concerned neighborhood groups and were attended by Mayor Walling and DPW Director Croft. At both meetings, citizens voiced their concerns and asked questions about water quality and the recent violation notice. Director Croft offered detailed answers to common questions, but also offered to investigate specific water issues raised by residents in which the City could offer assistance. Those in attendance came away with a better understanding of the issues surrounding the drinking water in their community.

- The City of Flint will be hosting a water presentation on Wednesday, January 21, 2015 at 7pm. That presentation will held in the City Hall Dome and will feature information detailing water treatment, water distribution and the steps being taken to ensure that citizens get water that meets all regulatory safety and quality standards. City DPW officials Howard Croft and Daugherty Johnson, Utilities Administrator, will be joined on a panel by representatives from the Genesee County Drain Commissioner's office, the Michigan Department of Environmental Quality and LAN engineering. Written questions from the audience will be collected during the presentation and answered by the panel after the presentation.

- The City of Flint has also determined that in light of the serious concerns raised, it will secure the services of an external firm with expertise in managing drinking water quality to assess the steps that the city has taken, to make recommendations as to other steps to be taken, to oversee their implementation, and to monitor operations until the City's water source becomes the KWA.. A Request for Proposal was issued on January 15, 2015, with proposals due back on January 26.

The DWSD Question:

As a result of the concerns raised, several community members have suggested that the City reconnect to the Detroit Water and Sewer Department (DWSD). DWSD has advised that they would be willing to allow such a reconnection without a hook-up fee. However, the City would be obligated to pay a fixed monthly charge of $846,700 plus the $14.92/Mcf cost of water itself. The City's analysis of the DWSD proposal concludes that the City's cost would increase by more than $12 million per year at the proposed rates, and could increase even more as proposed rates are subject to change after July 1, 2015. This increase in costs would not be in the best interests of the City or its water users, as the City is committed to assuring safety and improving water quality by following its current plan, and reconnecting to DWSD would likely require deferment of existing capital improvements or an additional increase in rates.

Talking Points:

The City, in conjunction with the Dept. of Environmental Quality, is working diligently…every day…to ensure Flint residents have access to clean, safe water. To that end, the City has issued an RFP soliciting expert assistance to assure the City is doing everything it needs to be doing.

The city continues to work closely with staff from the Department of Environmental Quality (DEQ) to ensure water meets safety guidelines, that water operations are managed properly, and all regulations are met.

The city is committed to addressing the issue and continues to pursue its strategy.

Background:

On December 16, 2014, the City of Flint received a violation notice from the Michigan Department of Environmental Quality (DEQ), stating the City water samples were in violation of Maximum Contaminant Levels (MCL), a violation of the Safe Drinking Water Act (PA 399 of 1976).

The DEQ considers the violation period to have begun December 1, 2014. The violation was triggered when water sample reports showed that the City's water quality, on average, exceed the total allowable level of *Disinfection Byproducts* during the first three quarters of 2014. Further, four of the City's eight water sample site locations individually exceeded allowable MCL levels during the same period of 2014.

These conditions are considered a Tier 2 violation and, as a result, the City was required to notify the public of these contamination levels by January 10, 2015 (which was done) and continue to notify them every three months until the violation is resolved.

The City outlined some potential remedies to the problem in its initial Operational Evaluation Report, dated November 26, 2014. These potential remedies are intended to be implemented in stages. Stage 1 consists of actions that can be implemented without any new construction within the distribution system and are due to be implemented by early March 2015.

- Troubleshooting of the ozone system.
- Implementation of different testing methods.
- Operational changes at the Water Treatment Plant.
- Increase water main flushing efforts to minimize stagnant water.
- Identify areas with high water age and implement preemptive measures.

The City will be providing additional potential solutions when it updates the Operational Evaluation Report, which must be submitted to the DEQ by March 1, 2015.

To date, the City has taken the following actions:

As an integral part of the transition to the Flint River on a temporary basis, the MDEQ was consulted about the City's plans, and ultimately issued necessary permits to proceed. The City also engaged the services of the LAN engineering firm to guide the city in installing the necessary equipment to treat the water on an ongoing basis. This resulted in the development of a comprehensive drinking water plan.

The City monitors its water quality on a daily basis to assure that water quality remains within established guidelines. With the variances in water temperature and the leakage and infiltration problems arising as the result of failure of parts of the distribution system, water quality did exceed, for a time, some of the established guidelines. This resulted in the issuance of the recent notices to the public.

Efforts taken to address non-compliance included increasing water flow through valve replacements and hydrant flushing and optimizing treatment processes.

The City has committed to increasing communication with the public in order to inform water users factually of the issues which have arisen, to alleviate unnecessary concern and to identify steps being taken to address the issues. This is being implemented through detailed educational materials being made available both online and at City Hall, as well as through public informational meetings. Additionally, a full Water System Questions and Answers document is available online.

Additional information:

State and city officials have said exposure to TTHM is a long-term concern for some if they drink water with elevated TTHM for several decades.

Notices indicated that Flint water is safe to drink but warns those with a "severely compromised immune systems or who are elderly" may be at increased risk and should seek advice about drinking water from your health care provider.

The city and county are partners in the Karegnondi Water Authority, which is building a pipeline to Lake Huron to bring lake water here for use by the end of 2016.

Returning to DWSD would add approximately $1 million (monthly) to the City expenses.

Attachment Redacted as Irrelevant

From: Emmitt, Beth (GOV)
Sent: Wednesday, February 18, 2015 9:42 AM
To: Agen, Jarrod (GOV)
Subject: FW: Tues meeting

From: Scott, Allison (GOV)
Sent: Tuesday, February 17, 2015 7:07 PM
To: Emmitt, Beth (GOV)
Cc: Wisniewski, Wendy (GOV)
Subject: Fwd: Tues meeting

Let's see if there is time on thurs that work for john and Jarrod per the below

Wendy see cos agenda items below

Sent from my iPhone

Begin forwarded message:

> **From:** Rick Snyder <[redacted]
> **Date:** February 17, 2015 at 11:10:28 AM EST
> **To:** Allison Scott <allison@rickformichigan.com>
> **Subject: Re: Tues meeting**
>
> Also, can we check on having a COS meeting this week? I didn't see one. Might want to have John Walsh and Jarrod there. Would like to run through our list of priorities and make sure we are on top of things:
> Major events:
> Econ Dev and Ed summit in March
> Energy Message in March
> Road campaign in May
> Budget in June
> Criminal Justice in spring
>
> Other:
> Tax credits
> Local and school transparency
> CTE
> Flint water
> Flint schools
> DPS
> Wayne County

From: Wurfel, Sara (GOV)
Sent: Friday, October 02, 2015 10:35 AM
To: Agen, Jarrod (GOV)
Subject: RE: Flint

Those three issues are among the 5-6 others we were going to cover on the pre-brief call at 11 a.m. Info was changing even this am particularly on first issue.

Can it wait until then and when we have Dan, Nick and Dr. Wells in room?

From: Agen, Jarrod (GOV)
Sent: Friday, October 02, 2015 10:32 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Subject: Fwd: Flint

Can you get me answers to these q's?
Josh already sent updated infographics.

Begin forwarded message:

> **From:** "Snyder, Rick (GOV)" [redacted]
> **Date:** October 2, 2015 at 7:12:40 AM PDT
> **To:** "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>
> **Cc:** "Scott, Allison (GOV)" <scotta12@michigan.gov>
> **Subject: Flint**
>
> Do we have updated infographs?
>
> Do we have an answer as to how to reconcile what Genesse County said yesterday with what we are saying today?
>
> Any more info on the timing of filter availability?
>
> Best way to talk about discussions with GLWA?
>
> Thanks
> Rick
>
> Sent from my iPad

From: Clement, Elizabeth (GOV)
Sent: Tuesday, October 06, 2015 8:22 AM
To: Agen, Jarrod (GOV)
Cc: Scott, Allison (GOV); Muchmore, Dennis (GOV)
Subject: Re: Flint Water updates

Nick Lyon plays a part in all of this too with testing and filters etc. We will need his updates as well.

Sent from my iPad

> On Oct 6, 2015, at 8:20 AM, Agen, Jarrod (GOV) <AgenJ@michigan.gov> wrote:
>
> Update from Dan in briefing. Comms to also send update for briefing on stories or announcements upcoming. But Dan will have most accurate testing and analysis details to report.
>
>
>
>
>> On Oct 6, 2015, at 8:14 AM, Scott, Allison (GOV) <scotta12@michigan.gov> wrote:
>>
>> What is most effective accurate rout? Dan provided update for briefing each day or does Comms shop speak to DEQ Comms and provide?
>>
>> Sent from my iPhone
>>
>>> On Oct 6, 2015, at 8:05 AM, Snyder, Rick (GOV) <[redacted] wrote:
>>>
>>> We need a better update system re Flint Water.
>>>
>>> I saw in the press this am that DHHS announced yesterday that water filters would start being given out today. This should have come internally with more detail. I had press questions last night.
>>>
>>> Overall, we should have a daily report on Flint until our recommendations are fully implemented.
>>>
>>> For example:
>>> 1. What are the water test results from the public schools?
>>> 2. How many free test have been requested? How many have been done? How many remain and how long have they been waiting? What are the results - no lead, lead consistent with history, higher levels?
>>> 3. How many filters have been distributed? How many unfulfilled requests?
>>> 4. New blood test results? Especially in the two zip codes.
>>> 5. Analysis of tech advisory group
>>> 6. Analysis of the GLWA vs. Flint River vs. KWA.
>>>
>>> Thanks
>>> Rick
>>>
>>> Sent from my iPad

From: Murray, David (GOV)
Sent: Tuesday, October 13, 2015 11:42 AM
To: Agen, Jarrod (GOV)
Subject: Fwd: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Sent from my iPhone

Begin forwarded message:

From: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>
Date: October 13, 2015 at 11:24:21 AM EDT
To: "connersp@michigan.gov" <connersp@michigan.gov>, dennis Muchmore <muchmored@michigan.gov>, John Walsh <walshj@michigan.gov>, Karen McPhee <mcpheek1@michigan.gov>, "Murray, David (GOV)" <MurrayD1@michigan.gov>, "Nick Khouri" <khourin@michigan.gov>, Rich Baird <bairdr@michigan.gov>, "Terry Stanton" <stantont@michigan.gov>, Tom Saxton <saxtont@michigan.gov>, wurfels <wurfels@michigan.gov>, Rick Snyder [redacted]
Cc: Kelly Rossman-McKinney <krossman@truscottrossman.com>, Darnell Earley <darnell.earley@detroitk12.org>
Subject: Fw: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

All,

Mr. Earley asked me to share with you his response to the below media inquiry. It was as follows:

"The decision to separate from DWSD and go with the Karegnondi Water Authority, including the decision to pump Flint river water in the interim, were both a part of a long-term plan that was approved by Flint's Mayor, and confirmed by a City Council vote of 7-1 in March of 2013 - a full seven months before I began my term as Emergency Manager. That vote was supported and signed into emergency order by then Emergency Manager Edward Kurtz on March 29, 2013. It was my responsibility to implement the previously accepted and approved plan as the contract with DWSD expired in April 2014 during my term as EM. It did not fall to me to second guess or to invalidate the actions that were taken prior to my appointment. An even bigger concern that everyone should be focused on moving forward is what is done in the long-term to replace the crumbling water distribution system that exits throughout Flint and Genesee County."

Please let him know if you have any questions.

Thanks.

Michelle Z.

Michelle A. Zdrodowski

Executive Director of Communications

Detroit Public Schools

3011 W. Grand Boulevard, 14th Floor

Detroit, MI 48202

313.873.3238, office

[redacted]

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier

Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Scott, Allison (GOV)
Sent: Tuesday, October 13, 2015 1:10 PM
To: Agen, Jarrod (GOV)
Subject: Fwd: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

See below

Sent from my iPhone

Begin forwarded message:

> **From:** "Stoken, Laura (GOV)" <Stokenl@michigan.gov>
> **Date:** October 13, 2015 at 1:03:33 PM EDT
> **To:** "Scott, Allison (GOV)" <scotta12@michigan.gov>
> **Cc:** "Hansen, Rachel (GOV)" <hansenr3@michigan.gov>
> **Subject: FW: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response**
>
> Hey Allison,
>
> This came into the Governor's public facing e-mail.
>
> Thanks,
>
> Laura

From: Wurfel, Sara (GOV)
Sent: Tuesday, October 13, 2015 11:49 AM
To: Kelly Rossman-McKinney <krossman@truscottrossman.com>
Cc: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>; connersp@michigan.gov; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; McPhee, Karen (GOV) <McPheeK1@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Khouri, Nick (TREASURY) <KhouriN@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Snyder, Rick (GOV) [redacted]Darnell Earley <darnell.earley@detroitk12.org>
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Calling you now, Michelle.

Thanks much,
SW

Sara Wurfel
Press Secretary | Executive Office of Governor Rick Snyder

Sent from my iPhone

On Oct 13, 2015, at 11:37 AM, Kelly Rossman-McKinney <krossman@truscottrossman.com> wrote:

> Works for me!
>
> Sent from my iPhone
>
> On Oct 13, 2015, at 11:24 AM, Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org> wrote:
>
> > All,
> >
> > Mr. Earley asked me to share with you his response to the below media inquiry. It was as follows:
> >
> > "The decision to separate from DWSD and go with the Karegnondi Water Authority, including the decision to pump Flint river water in the interim, were both a part of a long-term plan that was approved by Flint's Mayor, and confirmed by a City Council vote of 7-1 in March of 2013 - a full seven months before I began my term as Emergency Manager. That vote was supported and signed into emergency order by then Emergency Manager Edward Kurtz on March 29, 2013. It was my responsibility to implement the previously accepted and approved plan as the contract with DWSD expired in April 2014 during my term as EM. It did not fall to me to second guess or to invalidate the actions that were taken prior to my appointment. An even bigger concern that everyone should be focused on moving forward is what is done in the long-term to replace the crumbling water distribution system that exits throughout Flint and Genesee County."
> >
> > Please let him know if you have any questions.
> >
> > Thanks.
> >
> > Michelle Z.

Michelle A. Zdrodowski

Executive Director of Communications

Detroit Public Schools

3011 W. Grand Boulevard, 14th Floor

Detroit, MI 48202

313.873.3238, office

[redacted]

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier

Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Murray, David (GOV)
Sent: Wednesday, October 21, 2015 1:09 PM
To: Snyder, Rick (GOV)
Cc: Agen, Jarrod (GOV)
Subject: Task Force release
Attachments: PR 151020 Flint after action 6.docx; Flint Water Task Force discussion points.docx

Good afternoon, Governor.

Jarrod asked me to send you a copy of the release, updated with input from the task force members. I've also attached the discussion points the members created during their meeting.

Please let me know if you 'd like any changes. Our plan is to release before your MiWeek interview so you can reference it.

Dave

Gov. Rick Snyder announces Flint Water Task Force to review state, federal and municipal actions, offer recommendations

Experts in public health, water management, environmental protection to focus on steps to protect residents

LANSING, Mich. – Gov. Rick Snyder today announced the creation of an independent advisory task force charged with reviewing actions regarding water use and testing in Flint and offer recommendations for future guidelines to protect the health and safety of all state residents.

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####

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

BRIAN CALLEY
LT. GOVERNOR

Contacts: Sara Wurfel or Dave Murray 517-335-6397	**FOR IMMEDIATE RELEASE** Wednesday, Oct. 21, 2015

Gov. Rick Snyder announces Flint Water Task Force to review state, federal and municipal actions, offer recommendations

Experts in public health, water management, environmental protection to focus on steps to protect residents

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Flint Water Task Force discussion points

Oct. 21, 2015

High-level points

- The task force's mission is to provide an independent review of decisions and practices at the state, federal and city level concerning water in Flint.

- While members will review and report about what has transpired, the focus will be on improving practices moving forward. Members intend to develop recommendations for changes that can be applied in Flint and across Michigan.

- The task force will have full independence, and the administration has pledged full and complete cooperation.

- The goal is to have a completed report within three months, but the task force has the ability to extend that time frame if necessary. Members intend to conduct a thorough review, given the importance of its work.

- The task force will operate as transparently as possible, and there are expected to be opportunities for public input.

From: Snyder, Rick (GOV)
Sent: Wednesday, October 21, 2015 1:16 PM
To: Murray, David (GOV)
Cc: Agen, Jarrod (GOV)
Subject: RE: Task Force release

Looks good.

Thanks
Rick

From: Murray, David (GOV)
Sent: Wednesday, October 21, 2015 1:09 PM
To: Snyder, Rick (GOV) <[redacted]
Cc: Agen, Jarrod (GOV) <AgenJ@michigan.gov>
Subject: Task Force release

Good afternoon, Governor.

Jarrod asked me to send you a copy of the release, updated with input from the task force members. I've also attached the discussion points the members created during their meeting.

Please let me know if you 'd like any changes. Our plan is to release before your MiWeek interview so you can reference it.

Dave

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####

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted]mobile
Twitter:@michigandmurray

From: Agen, Jarrod (GOV)
Sent: Friday, October 02, 2015 10:32 AM
To: Wurfel, Sara (GOV)
Subject: Fwd: Flint

Can you get me answers to these q's?
Josh already sent updated infographics.

Begin forwarded message:

> **From:** "Snyder, Rick (GOV)" <[redacted]>
> **Date:** October 2, 2015 at 7:12:40 AM PDT
> **To:** "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>
> **Cc:** "Scott, Allison (GOV)" <scotta12@michigan.gov>
> **Subject: Flint**
>
> Do we have updated infographs?
>
> Do we have an answer as to how to reconcile what Genesse County said yesterday with what we are saying today?
>
> Any more info on the timing of filter availability?
>
> Best way to talk about discussions with GLWA?
>
> Thanks
> Rick
>
> Sent from my iPad

From: Agen, Jarrod (GOV)
Sent: Friday, October 02, 2015 10:59 AM
To: Snyder, Rick (GOV)
Cc: Scott, Allison (GOV)
Subject: Updated press release with new filter information
Attachments: NR 151002 - Flint water action plan DM.docx; ATT00001.htm

See updated press release with highlighted info on filters.

Gov. Rick Snyder: Comprehensive action plan will help Flint residents address water concerns

Collaborative effort with state, federal and city leaders focuses on testing, assistance

FLINT, Mich. – Flint residents need to have access to safe, clean, water now and long into the future, Gov. Rick Snyder said, announcing a comprehensive action plan created with state, federal and city leaders to address concerns about drinking water.

The water leaving Flint's drinking water system is safe to drink, but some families with lead plumbing in their homes or service connections could experience higher levels of lead in the water that comes out of their faucets.

The action plan focuses on increasing water testing, offering additional precautions for families with lead plumbing in their homes, and providing long-term solutions to address the city's water infrastructure challenges. The plan was created at Snyder's direction by the Michigan Departments of Environmental Quality (DEQ) and Health and Human Services (DHHS), the U.S. Environmental Protection Agency, and the city of Flint.

"We are focused on helping ensure safe, clean, accessible drinking water and addressing and mitigating concerns and protecting public health," Snyder said. "Today's action plan builds upon ongoing work with local, state and federal agencies and our partnership with city and community leaders. Together, we are working to ensure that all Flint residents have accurate information and know that help is available to address potential problems."

The city and the state also are working together to gather more data to ensure the water that leaves the treatment plant as well as the water that arrives in Flint homes is safe for all residents. The plan includes:

- Testing in Flint public schools immediately to ensure that drinking water is safe, with testing also available at no cost to any other school in Flint.

- Offering free water testing to Flint residents to assure their drinking water is safe.
- Providing free water filters to residents.
- Expanding health exposure testing of individual homes.
- Accelerating corrosion controls in the Flint drinking water system.
- Accelerating water system improvements to address replacing lead service lines.
- Expediting the completion of the Karegnondi Water Authority pipeline.
- Expanding a Safe Drinking Water Technical Advisory Committee to ensure the best technology, practices and science are being followed by adding an expert from the Environmental Protection Agency's Office of Research and Development to the group.
- Naming Dr. Eden Wells, chief medical executive for the Michigan Department of Health and Human Services, as the Flint drinking water public health adviser.
- Boosting a comprehensive lead education program to make sure residents have detailed information about how to protect themselves and their homes.

Residents can have their water tested by calling 810-787-6537 and pressing 1, or emailing flintwater@cityofflint.com. The DEQ is covering the cost of this testing.

State leaders have been working closely with state and federal lawmakers to tap resources at all levels of government to address concerns.

State health experts said there has been an increase in elevated childhood blood lead levels in some specific communities. Initial analysis of MDHHS data found that blood lead levels of children in Flint have followed an expected seasonal trend. While this analysis for Flint as a whole remains true, a comprehensive and detailed review breaking down data by ZIP codes with the city revealed that MDHHS data is consistent with a study presented recently by Hurley Children's Hospital.

"While we cannot conclusively say that the water source change is the sole cause of the increase, this analysis supports our efforts as we take active steps to reduce all potential lead exposures in Flint," MDHHS Director Nick Lyon said. "As part of this, we are working closely with our public and private partners to provide Flint residents on MDHHS assistance programs with free water filters and inform families about the steps they can take to reduce all lead exposures in their home."

As a part of the action plan, National Sanitation Foundation certified water filters will be made available to Flint residents through emergency state funds and coordinated efforts with local community agencies and donors. Information about how to obtain the filters will soon be available.

"This action plan offers concrete steps we will take in a local, state and federal partnership to ensure all Flint residents have safe water to drink," DEQ Director Dan

Wyant said. “The DEQ will work closely with the city to gather further data to ensure the water that leaves Flint’s system as well as the water that arrives in Flint homes is safe to drink.”

Additional information is available at www.michigan.gov/flintwater.

###

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

CONTACTS:	FOR IMMEDIATE RELEASE
Sara Wurfel or Dave Murray Governor's Office: 517-335-6397 Brad Wurfel, 517-284-6713 or Karen Tommasulo, 517-284-6714 Department of Environmental Quality Jennifer Eisner, 517-230-9804 Department of Health and Human Services	Friday, Oct. 2, 2015

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###

From: Hollins, Harvey (GOV)
Sent: Monday, September 28, 2015 6:04 PM
To: Clayton, Stacie (GOV)
Subject: FW: Governor's Assistance

From: Muchmore, Dennis (GOV)
Sent: Monday, September 28, 2015 6:04:28 PM (UTC-05:00) Eastern Time (US & Canada)
To: 'Rep. Sheldon Neeley (District 34)'
Cc: Hollins, Harvey (GOV); Wyant, Dan (DEQ); Lyon, Nick (DCH)
Subject: RE: Governor's Assistance

Representative-

We're setting up a meeting with you, Harvey Hollins, Nick Lyon and Dan Wyant as soon as possible to make sure you are in the same loop on this as we are. The issues you raise in your letter are similar to the same ones we are raising internally ourselves. Lead is not an acceptable risk in any event, however lead content pipes are prevalent in older cities throughout Michigan and we'll all have to pool our efforts to work with these pipes now and in the future. Although there are some legitimate questions relating to the conclusions reached by the Hurley folks, they are a city institution and we would have expected them to report and discuss those concerns with city leadership so that the city could act, but that is a different subject.

Whenever you are available we'll do our best to schedule and come over and meet with you.

From: Rep. Sheldon Neeley (District 34) [mailto:SheldonNeeley@house.mi.gov]
Sent: Monday, September 28, 2015 5:44 PM
To: GovernorsOffice <[redacted]; Snyder, Rick (GOV) <[redacted]>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>
Subject: Governor's Assistance

Please see attached letter.

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 14, 2015 3:53 PM
To: Clayton, Stacie (GOV)
Subject: FW: Teamwork and cooperation

From: Muchmore, Dennis (GOV)
Sent: Wednesday, October 14, 2015 3:52:39 PM (UTC-05:00) Eastern Time (US & Canada)
To: Hollins, Harvey (GOV)
Subject: FW: Teamwork and cooperation

Great, we try to plug him in and now he throws us under the bus.

From: Rep. Sheldon Neeley (District 34) [mailto:SheldonNeeley@house.mi.gov]
Sent: Wednesday, October 14, 2015 3:33 PM
To: Snyder, Rick (GOV) [redacted]
Cc: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Lyon, Nick (DHHS) <LyonN2@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Wyant, Dan (DEQ) <WyantD@michigan.gov>
Subject: Teamwork and cooperation

Honorable Rick Snyder, Governor
State of Michigan

Dear Gov. Snyder,

I'm writing to voice my displeasure with the lack of communication between your office and mine concerning the water crisis in the city of Flint.

Since I have been in a position to represent my community at the Capitol, I have been in constant contact with your office to offer advice, help, partnership and solutions. My community elected me to represent them in Lansing, and I have been striving to do just that. Several letters have reached your office, and I have been highly vocal about the need to come together to fix the water crisis. This has been done with the understanding that we both care about the people of Flint, who I represent in the Legislature, and who you represent as governor of this state.

I have also reached out to Dr. Eden Wells and the Department of Health and Human Services and the Michigan Department of Environmental Quality to be proactive in addressing the issue of lead-laced water damaging the minds and bodies of Flint's citizens, especially the children. While this crisis could be solved by switching water sources, the problems will remain in the health of our future generation.

I had hoped that this entire problem would have been addressed through partnership, teamwork and cooperation. It is unfortunate that hasn't been the case. It is also unfortunate that common courtesy to my office on being kept up to speed with any operational changes and financial solutions has not been timely communicated.

I will continue to keep the lines of communication open as we address the continued problem of health in Flint, and I hope you will take the opportunity to join me in conversation to find future solutions.

For the Love of the Community,

Sheldon A. Neeley, State Representative
34th District

CC: Dennis Muchmore
Nick Lyons
Dan Wyant
Dr. Eden Wells
Harvey Hollins

From: Hollins, Harvey (GOV)
Sent: Thursday, October 15, 2015 10:39 AM
To: Clayton, Stacie (GOV)
Subject: FW: Teamwork and cooperation

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 15, 2015 10:38:46 AM (UTC-05:00) Eastern Time (US & Canada)
To: Hollins, Harvey (GOV)
Subject: RE: Teamwork and cooperation

Actually it seems like he threw you and me under the bus and frankly I didn't appreciate it. I'm pissed at Ananich also and think Phelps is a gadfly, but you and I didn't deserve this from Neely. The first time I heard from him was through you and he could have called like anyone else. You've been working with him since the beginning, and I know you've talked to him multiple times. He has no reason to throw you under the bus.

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 14, 2015 11:17 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Re: Teamwork and cooperation

Chief--I hear you, but I consider Phelps lawsuit and Ananich's rhetoric to be just as incendiary. Sheldon is frustrated. He reached out to DEQ early before all this broke and was blown off. He sent a letter to DHHS and got no response when he was told that they would get back with him by Tuesday this week. Ananich has met with the Governor, to my knowledge he hasn't on this issue. Ananich has had meetings the each of the Directors at issue a few times, he hasn't and his district is the city of Flint. While I do not like his approach with MSP on high speed chases, on this issue he has been more reasonable than most.

On Oct 14, 2015, at 3:52 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

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>
> ---
>
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> **Cc:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Lyon, Nick (DHHS) <LyonN2@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Wyant, Dan (DEQ) <WyantD@michigan.gov>
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34th District

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Nick Lyons
Dan Wyant
Dr. Eden Wells
Harvey Hollins

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Sent: Thursday, October 15, 2015 10:42 AM
To: Clayton, Stacie (GOV)
Subject: FW: What's the latest on Flint?

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 15, 2015 10:42:03 AM (UTC-05:00) Eastern Time (US & Canada)
To: Hollins, Harvey (GOV)
Subject: RE: What's the latest on Flint?

I've met with both of them once, and I've talked with Ananich more than once on the phone because he called me. You've talked to him multiple times, and you're the lead. Don't know what he wants since he's getting to talk with you over and over. By the way, did our ministers call you and say "thank you Harvey, we couldn't get anyone else to listen to us and you did"?

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 14, 2015 10:22 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Re: What's the latest on Flint?

Sheldon wants to be pulled in the same way that you pulled Ananich in.

Best,
Harvey

On Oct 14, 2015, at 4:06 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Have you talked with Sheldon recently?
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Tuesday, October 13, 2015 3:44 PM
> **To:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>
> **Subject:** RE: What's the latest on Flint?
>
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> - City Council voted to approve their $2 million to use GLWA
> - People are still upset, believing that DEQ is covering up their mistake.
> - Most elected officials are pointing fingers at the state.
> - Bottled water delivery has slowed a tad.
> - Various groups are still delivering water filters, a big filter distribution occurred over the weekend.
> - Mayor Walling and his challenger Weaver are debating tonight.

From: Muchmore, Dennis (GOV)
Sent: Tuesday, October 13, 2015 8:41 AM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: What's the latest on Flint?

From: Hollins, Harvey (GOV)
Sent: Thursday, October 15, 2015 5:58 PM
To: Clayton, Stacie (GOV)
Subject: FW: What's the latest on Flint?

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 15, 2015 5:57:32 PM (UTC-05:00) Eastern Time (US & Canada)
To: Hollins, Harvey (GOV)
Subject: RE: What's the latest on Flint?

I got so I believed that the only people that were telling you and I the truth were these ministers. It was Overton, Harris and who were the other ones?

From: Hollins, Harvey (GOV)
Sent: Thursday, October 15, 2015 4:36 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Re: What's the latest on Flint?

The ministers did call and said thank you to both you and me.

Best,
Harvey

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- Various groups are still delivering water filters, a big filter distribution occurred over the weekend.
- Mayor Walling and his challenger Weaver are debating tonight.

From: Muchmore, Dennis (GOV)
Sent: Tuesday, October 13, 2015 8:41 AM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: What's the latest on Flint?

From: Hollins, Harvey (GOV)
Sent: Monday, January 04, 2016 3:06 PM
To: Clayton, Stacie (GOV)
Subject: FW: Additional Steps for Flint

From: Wisniewski, Wendy (GOV)
Sent: Monday, January 04, 2016 3:05:30 PM (UTC-05:00) Eastern Time (US & Canada)
To: Baird, Richard (GOV); Hollins, Harvey (GOV); Agen, Jarrod (GOV)
Cc: Posthumus, Dick (GOV); Lange, Michelle (GOV); Rospond, Laurie (GOV); Clayton, Stacie (GOV); Manolakoudis, Virginia (GOV)
Subject: FW: Additional Steps for Flint

From: Stoken, Laura (GOV)
Sent: Monday, January 04, 2016 3:02 PM
To: Scott, Allison (GOV) <scotta12@michigan.gov>
Cc: Wisniewski, Wendy (GOV) <wisniewskiw@michigan.gov>; Hansen, Rachel (GOV) <hansenr3@michigan.gov>
Subject: FW: Additional Steps for Flint

Hey Allison,

The below e-mail came into the Governors public facing e-mail account.

Forwarding your way.

Thank you,

Laura

From: Rep. Sheldon Neeley (District 34) [mailto:SheldonNeeley@house.mi.gov]
Sent: Monday, January 04, 2016 2:24 PM
To: GovernorsOffice[redacted]; Snyder, Rick (GOV) <[redacted]>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Additional Steps for Flint

Governor Snyder,

In the interest of being sensitive to the unforeseen problems that will affect children of this Flint Water Crisis, I am formally requesting you to forgive the debt balance currently imposed on the Flint Community Schools. I make this request because this school district will have the majority burden of addressing issues relating to the lead intrusion into the blood of children in this school system. There will be untold problems for years to come that will require an already overwhelmed school district to be required to meet the needs of these children who are victims of this disaster.

Respectfully,

Sheldon Neeley
State Representative
34th District

From: Bedan, Morgan (GOV)
Sent: Wednesday, October 28, 2015 8:32 AM
To: Snyder, Rick (GOV)
Cc: Scott, Allison (GOV)
Subject: RE: October 28 Daily Briefing
Attachments: RDS Cabinet Meeting Slides.pdf

Attaching your portion of the presentation with a few notes that DTMB sent down. Please let me know if you would like it in a different format.

Morgan

From: Snyder, Rick (GOV)
Sent: Wednesday, October 28, 2015 7:25 AM
To: Bedan, Morgan (GOV) <BedanM@michigan.gov>
Cc: Scott, Allison (GOV) <scotta12@michigan.gov>; Emmitt, Beth (GOV) <emmittb@michigan.gov>
Subject: Re: October 28 Daily Briefing

Please send me pages 1 and 2 of the attached powerpoint presentation for the Directors meeting in a format where the slides are readable on an iPad. They apparently made up slides for me.

Thanks
Rick

Sent from my iPad

On Oct 27, 2015, at 4:10 PM, Bedan, Morgan (GOV) <BedanM@michigan.gov> wrote:

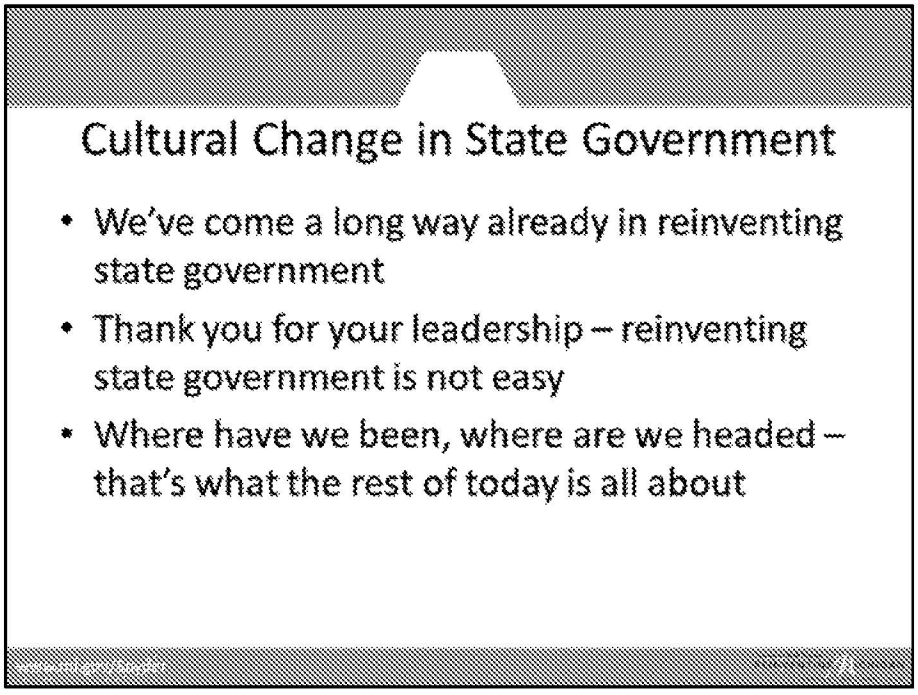
> Governor,
>
> Attached is your Daily Briefing for October 28. The briefing contains:
>
> - October 28th Calendar – Pages 2 – 6
>
> **Events**
> - [redacted]
>
> **Meetings**
> - [redacted]
>
> **For Review**
> - Flint Water – Pages 39 – 42
>   - Updated Action Plan
>   - Updated Action Steps
> - [redacted]

Please let us know if you have any questions.

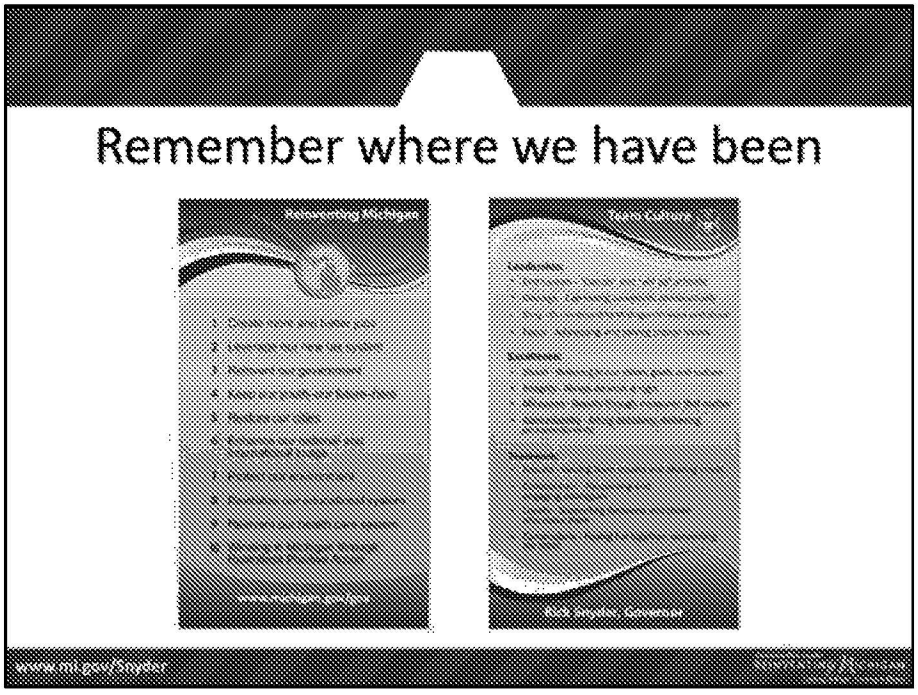
Thank you,
Morgan

<Public Safety Briefing Material.pdf>

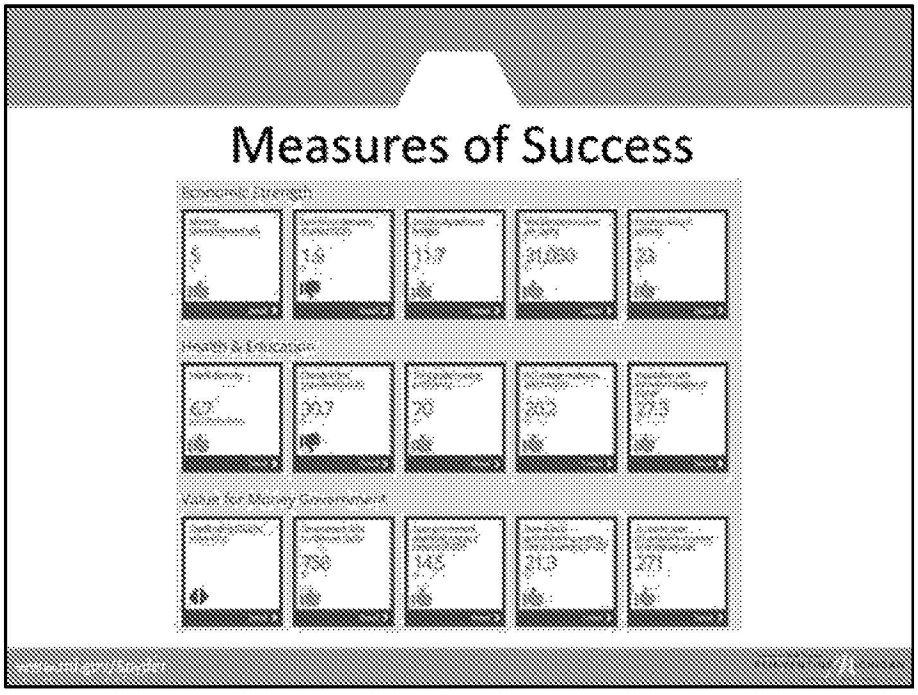
<151028 Daily Briefing.pdf>



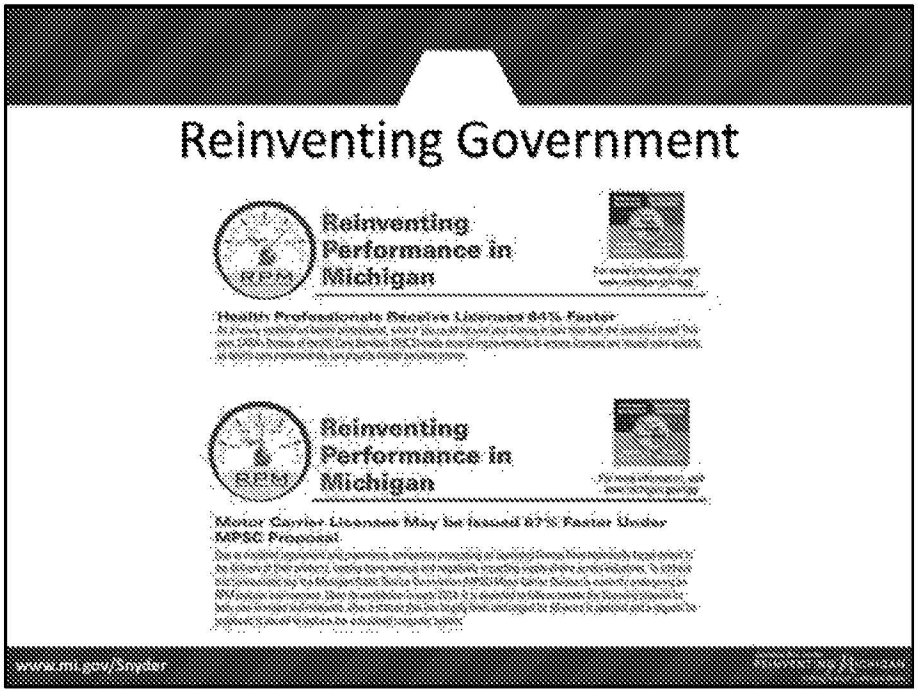
Governor's general welcome to group, a thanks for all the good work, set tone for the meeting (where we have been, where we are headed the next three years, what we will leave behind)



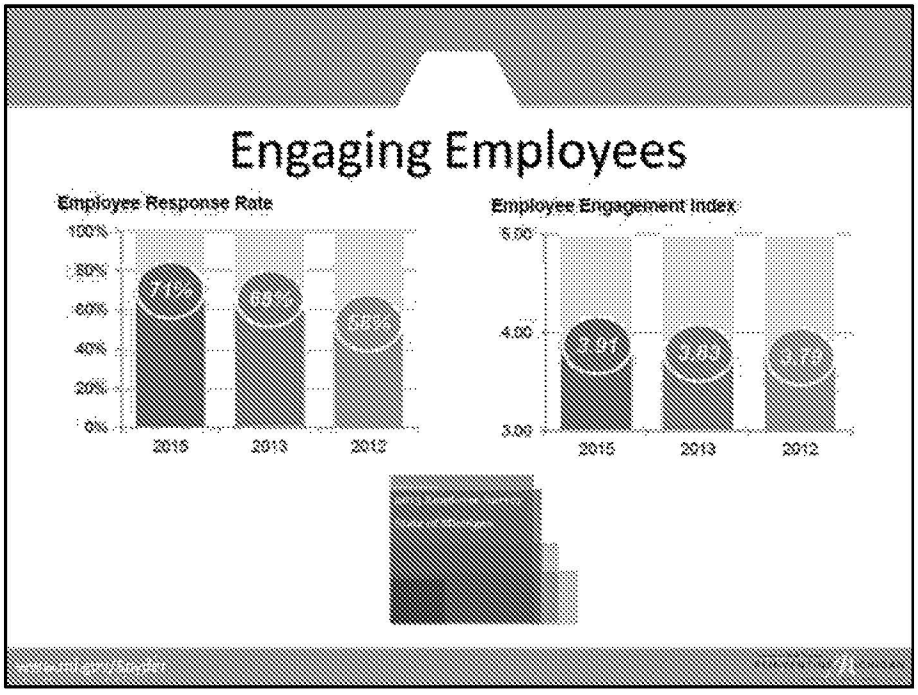
Governor can remark about the original vision, how it doesn't go away and the 10 points remain, but it's time to build upon it, and that both John Bernard and Pat McDonnell are going to help us do that



Governor can talk about how everyone knows that metrics are important and that everyone knows how we've been using them to monitor progress to date, but that today's sessions and the work that we'll do over the next few months will transform our metrics



Governor can talk about how we have in many ways done so much already to reinvent government through process improvement and talk about the work Director Zimmer and the Good Government team has already done and that we'll here from Director Zimmer later in the meeting



Governor can talk about how we have worked to engage employees through the employee survey, bureaucracy busters, and good government champions in the agencies, then close by delivering message that we've done a lot already, but now it's time to reexamine for the future, for the next 3 years, and chart the course that can live on after this administration is done…then transition to Rich

From: Wyant, Dan (DEQ)
Sent: Monday, December 28, 2015 9:49 AM
To: Snyder, Rick (GOV); Scott, Allison (GOV); Agen, Jarrod (GOV); Baird, Richard (GOV); Muchmore, Dennis (GOV); Hollins, Harvey (GOV); Posthumus, Dick (GOV); Murray, David (GOV); Holland, Meegan (GOV); Lyon, Nick (DHHS)
Cc: Wyant, Dan (DEQ)
Subject: FW: Auditor General Letter – City of Flint Drinking Water
Attachments: Auditor General Letter - City of Flint Drinking Water.pdf

FYI – Please see the attached letter. The Auditor General findings are consistent with the DEQ's own internal review. The Auditor General delivered the letter to Senator Ananich late Wednesday, December 23, 2015.

Please call me if you have any questions.

Dan Wyant
Director

Attachment

From: MI_Office_of_the_Auditor_General [mailto:mi_auditor_general@audgen.michigan.gov]
Sent: Wednesday, December 23, 2015 3:18 PM
To: aleavitt@senate.michigan.gov; sstudley@senate.michigan.gov
Cc: Hirst, Laura (OAG); Ringler, Doug (OAG); Wyant, Dan (DEQ); Sygo, Jim (DEQ)
Subject: Auditor General Letter – City of Flint Drinking Water

Please see the attached letter, which addresses your questions about the City of Flint's drinking water.

We stand ready to answer any questions that you may have. Thank you.

OAG
Office of the Auditor General
Doug A. Ringler, CPA, CIA
Auditor General
201 N. Washington Square, Sixth Floor • Lansing, Michigan 48913 • Phone: (517) 334-8050 • www.audgen.michigan.gov

December 23, 2015

The Honorable Jim Ananich
Senate Minority Leader
State Capitol, Room S-105
Lansing, Michigan

Dear Senator Ananich:

Enclosed are answers to the questions you posed in your October 20, 2015 letter to our office regarding the audit we are conducting of the Office of Drinking Water and Municipal Assistance (ODWMA), Department of Environmental Quality (DEQ), specific to lead contamination in the City of Flint's drinking water. Also enclosed are additional questions we developed that are relevant to these issues, along with five exhibits:

- A map showing Flint water samples by zip code.
- A map showing lead counts of 5 parts per billion or higher.
- Two charts showing the number of samples by time period and zip code.
- A time line of the Flint water review.

We appreciate the opportunity to assist you in answering questions regarding this topic. If you have further questions or a request for other services, please do not hesitate to contact our office.

Sincerely,

Doug Ringler

Doug Ringler
Auditor General

Enclosures

Q1: How does ODWMA ensure the data it receives is accurate?

A: With regard to the United States Environmental Protection Agency (EPA) Lead and Copper Rule (LCR) monitoring requirements, DEQ relies on the following key controls to ensure the accuracy of test results:

- State-owned laboratories test water samples.
- State-owned laboratories send test results directly to DEQ.
- The City of Flint Water Treatment Plant (Flint WTP) certifies whether sample sites are classified as tier 1*.

The current Flint WTP LCR sampling process includes:

1. DEQ informs the Flint WTP of the required water lead and copper sample size.
2. The Flint WTP determines the pool of tier 1 sites for sampling.
3. The Flint WTP selects the sample.
4. The Flint WTP sends out sample kits and instructions to residents for collecting water samples.
5. Residents leave samples and signed sampling forms outside their front doors.
6. The Flint WTP employee picks up samples and forms from residents.
7. The Flint WTP employee reviews sample forms for completeness.
8. The Flint WTP employee sends samples to the State-owned laboratories.
9. State-owned laboratories test samples and provide results directly to DEQ.
10. DEQ receives water lead and copper sample results, which include the following information: date collected, date received, address where collected, type of residence (e.g., single family or apartment), and sample point (e.g., kitchen sink or bathroom sink).
11. DEQ tracks, and follows up if necessary, the number of samples collected by the Flint WTP to help ensure that the required minimum number of samples are collected by the monitoring period deadline.

* Single-family or multiple-family residence with lead service line, lead solder copper piping constructed after 1982, or lead plumbing.

12. The Flint WTP submits lead and copper report to DEQ that certifies whether sample sites meet tier 1 criteria.

13. DEQ prepares the LCR 90th percentile calculation report.

During our review, we noted two potential improvements for the Flint WTP sampling process (see Question 5 of the additional questions answered by the OAG regarding tier 1 sample validity):

- DEQ could verify that the sampling pool was limited to only tier 1 sample sites to ensure that the Flint WTP is in compliance with the LCR (Title 40, Part 141, section 86(a)(3) of the *Code of Federal Regulations* [*CFR*]).

- DEQ could independently verify the validity of sample site certifications.

Q2: What accountability measures are in place for ODWMA staff who fail to follow data verification protocols?

A: DEQ does not provide any direct oversight over the Flint WTP and, therefore, does not have any accountability measures over the Flint WTP's LCR data verification protocols. DEQ's data verification protocol for lead and copper water sampling is limited to verification that the WTP certifies samples submitted to the State-owned laboratories for analysis (see steps 7 and 12 in the Flint WTP LCR sampling process noted in Question 1 above). We did not identify any instances in which ODWMA staff failed to verify that submitted samples were certified by the Flint WTP.

Q3: What accountability measures are in place for ODWMA staff who lie or misrepresent information to the EPA?

A: As with all classified employees, ODWMA staff must adhere to the rules and regulations established by the Michigan Civil Service Commission. If any ODWMA staff were determined to misrepresent information to the EPA, they would be subject to Civil Service Rule 2-6, Discipline, which allows an appointing authority to discipline an employee for just cause up to and including dismissal. We are not aware of any DEQ-established measures that are in addition to the Civil Service Rules.

We gained access to the e-mail accounts of key DEQ management (DEQ Director, Deputy Director, ODWMA Chief, and other key ODWMA staff) extending back to January 1, 2013. We did so to identify the key decision points and conversations that occurred leading up to and through the situation in Flint. Our review was also intended to determine whether State, Flint, or other officials attempted to conceal key test results or other information.

We noted one e-mail exchange between DEQ and the EPA that appears to be a significant contributor to the concern that DEQ misrepresented information to the EPA. The EPA requested clarification on February 26, 2015 regarding the type of optimized corrosion control **treatment** the Flint WTP was using. DEQ responded on February 27, 2015 that the city had an optimized corrosion control **program** in place, but DEQ did not provide any program details. DEQ informed us that the Flint WTP corrosion control **program** included performing

lead and copper monitoring for two consecutive six-month periods to determine whether corrosion control **treatment** would be necessary in the future. However, it appears the EPA interpreted corrosion control **program** to mean that corrosion control **treatment** was being performed.

On April 23, 2015, the EPA again inquired as to what the Flint WTP was doing for corrosion control **treatment**. DEQ responded on April 24, 2015 that the Flint WTP was not practicing corrosion control **treatment**.

Based on our review of this and other e-mails, we have no specific reason to believe that DEQ willfully misrepresented the information to the EPA.

Q4: What policies do DEQ and ODWMA have in place to escalate major infractions up the chain of command?

A: We did not note any instances of major infractions (i.e., intentional disregard of policies, laws, regulations or specific directions) committed by DEQ staff during the course of our review. DEQ does not have a formal policy or procedure in place to escalate major infractions performed by ODWMA employees; however, our review of DEQ correspondence confirmed the escalation of key issues up the chain of command related to the Flint situation. DEQ stated that its informal policy is for staff to notify the proper level of management of infractions to determine necessary action.

Application of the LCR

Q1: How did the Flint WTP become the primary water supplier for the City of Flint?

A: Upon notification of the City of Flint's plans to switch to the Karegnondi Water Authority (KWA) in April 2013, the Detroit Water and Sewerage Department (DWSD) submitted a letter to the City of Flint stating that it would terminate its agreement to provide water services on April 17, 2014.

According to DEQ management, the Flint WTP attempted to negotiate with the DWSD to maintain it as the City of Flint water supplier; however, after negotiations were unsuccessful, the City of Flint notified DEQ through a permit request of its intent to operate the Flint WTP full time using the Flint River. Although the Flint City Council voted in March 2013 in support of moving to the KWA pipeline, the vote was silent on the use of the Flint River as a temporary drinking water source.

DEQ informed us that in the 1990s, the City of Flint upgraded the Flint WTP to serve as a backup source of water for emergencies. In 2006, the Flint WTP began quarterly testing of the treated Flint River water at the Flint WTP to ensure water quality standards were met; however, the Flint WTP did not test the water's effect on the distribution system at consumer tap locations.

Q2. Did DEQ consult with the EPA prior to determining how to apply the LCR?

A: DEQ did not consult with the EPA on how to apply the LCR prior to implementing two consecutive six-month monitoring periods of the Flint WTP beginning July 1, 2014. Based on past experiences applying the LCR monitoring requirements, DEQ believed that it had appropriately applied the LCR requirements of a large water system.

Q3: When Flint switched to the Flint River water source, should corrosion control treatment have been maintained?

A: We believe that corrosion control treatment should have been maintained.

According to the LCR, a water system can achieve optimized corrosion control if it submits results of tap water monitoring for two consecutive six-month monitoring periods with acceptable lead levels. However, a water system that has optimized corrosion control, and which has treatment in place, should continue to operate and maintain optimal corrosion control treatment.

DEQ staff explained that they did not treat the switch to Flint River water as a new system, but as a new source. DEQ further stated that because the Flint River was a new water source and there was a change in chemicals needed to treat the new source, a corrosion control study was needed to determine the impact on the water distribution system. Therefore, it was DEQ's interpretation that two rounds of six-month monitoring were still needed to evaluate the water quality and determine optimal corrosion control treatment.

The Flint water system had optimal corrosion control treatment when the DWSD WTP was the water supplier. Based on our review of notes from a July 21, 2015 EPA and DEQ conference call on DEQ's implementation of the LCR regarding whether the Flint WTP should have continued to maintain corrosion control treatment, it appeared that the EPA did not agree with DEQ's interpretation of the LCR. Region 5 EPA staff explained that they would talk to the EPA headquarters about the interpretation of regulations and believes that systems that have been deemed optimized need to "maintain" corrosion control. The Region agreed to provide supporting regulatory citations for the language about maintaining corrosion control.

On November 3, 2015, the EPA issued a memorandum stating that the LCR had differing possible interpretations; however, the EPA concluded that it is important for large water systems to take the steps necessary to ensure that appropriate corrosion control treatment is maintained at all times, thus ensuring that public health is protected. Based on this clarification, it appears that corrosion control treatment should have been maintained.

Q4: Should DEQ have required the Flint WTP to start pursuing optimized corrosion control treatment after the first round of six-month sampling results were above the lead action level of 5 parts per billion (ppb)?

A: Yes. According to DEQ's application of the LCR, within six months after the end of the monitoring period in which the water sample results exceeded the acceptable lead level, DEQ should have required the Flint WTP to start pursuing optimized corrosion control treatment.

The LCR states that the lead action level is exceeded if the lead level, as determined by the 90th percentile calculation, is greater than 15 ppb. If the lead action level is exceeded, water systems are required to take additional actions including educating the public about lead in drinking water as well as commencing lead service line replacement if the water system has already installed corrosion control and/or source water treatment. However, for water systems that have not yet implemented corrosion control treatment, they can be deemed to have optimized corrosion control without installing treatment if they can demonstrate lead levels below 5 ppb for two consecutive six-month periods.

The first round of six-month sampling results was received in late March 2015. Because the results were 1 ppb over the lead action level of 5 ppb, DEQ would not be able to achieve two consecutive six-month periods below 5 ppb. Therefore, DEQ should have notified the Flint WTP to start pursuing optimized corrosion control treatment. However, DEQ waited until the second round of sampling was completed (June 30, 2015) to assess whether water sample results improved.

Water Samples

Q5: Did DEQ verify that only tier 1 sample sites were selected by the Flint WTP in the two rounds of six-month samples?

A: DEQ did not verify that only tier 1 sample sites were selected. DEQ relies on the Flint WTP's certification of sample sites and does not perform any independent verification of those certifications.

In a November 19, 2015 *Flint Journal* article, the Flint WTP indicated that it did not have the ability to ensure that all sites were tier 1. In fact, water samples came from the random distribution of 175 testing bottles without regard for whether the homes were at risk for high lead levels. DEQ issued a formal memorandum on November 9, 2015 requesting that the Flint WTP verify the classification of all prior sample items. The results are due back from the Flint WTP on December 30, 2015.

Q6: DEQ dropped two water sampling sites from its second six-month sample (January 1, 2015 through June 30, 2015). Was this appropriate?

A: Yes, it was appropriate for DEQ to drop these two water sampling sites. Federal regulation 40 *CFR* 141.86(a) states:

> ". . . each water system shall complete a materials evaluation of its distribution system in order to identify a pool of targeted sampling sites that meets the requirements of this section . . . All sites from which first draw samples are collected shall be selected from this pool . . . Sampling sites may not include faucets that have point-of-use or point-of-entry treatment devices designed to remove inorganic contaminants."

This regulation also requires that a water system's targeted sampling pool consist of only tier 1 sampling sites if an adequate number is available to meet monitoring requirements.

According to federal regulation 40 *CFR* 141.86(f), the State may invalidate a water sample if it determines that the sample was taken from a site that did not meet the site selection criteria. A sample invalidated per this regulation does not count toward determining lead or copper 90th percentile levels or toward meeting the minimum monitoring requirements.

DEQ dropped one water sample site from its 90th percentile calculations because the site was from a business that does not meet the tier 1 requirements of being a single-family or multiple-family residence. The second sample site was dropped because the home had a point-of-entry treatment device to filter contaminants. Based on the criteria specified above, it appears that DEQ's rationale for dropping the samples from these two sites appropriately met the requirements for invalidating samples per federal regulation 40 *CFR* 141.86.

Q7: Was flushing of the taps the night before drawing a sample an appropriate sample methodology?

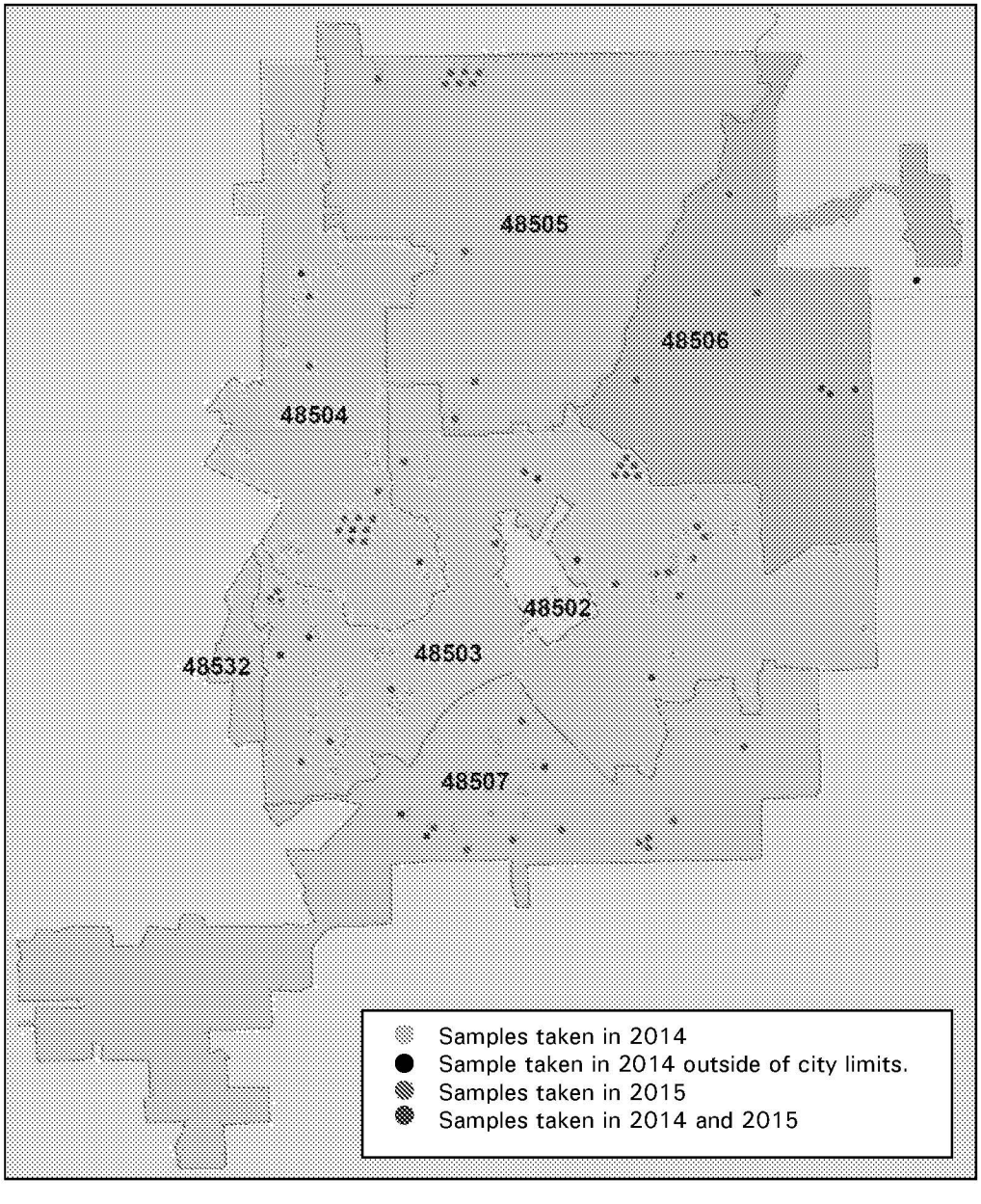
A: Yes. The LCR requires that samples be a first draw of water after six hours of stagnation. The LCR does not indicate whether or not the water line should be flushed prior to collecting the sample. In the sample instructions, DEQ required preflushing to ensure that sampled faucets were not stagnant for an excessive period of time beyond the targeted six hours (e.g., rarely used faucets or when a homeowner has been gone for an extended period of time.)

The LCR requires six hours of stagnation; however, it does not preclude DEQ from instructing residents to flush prior to stagnation.

Flint WTP 2014 and 2015 Sample Locations (Exhibit #1)

In calendar year 1992, the Flint WTP established a tier 1 sample site pool for LCR monitoring. With the change to the Flint River water, the Flint WTP needed to increase the pool of sample locations because of additional sampling requirements. The following exhibit documents the 2014 and 2015 sample locations for LCR monitoring. Based on the data obtained during our review, we could not determine how the locations were selected or whether they were properly classified as tier 1 sample sites.

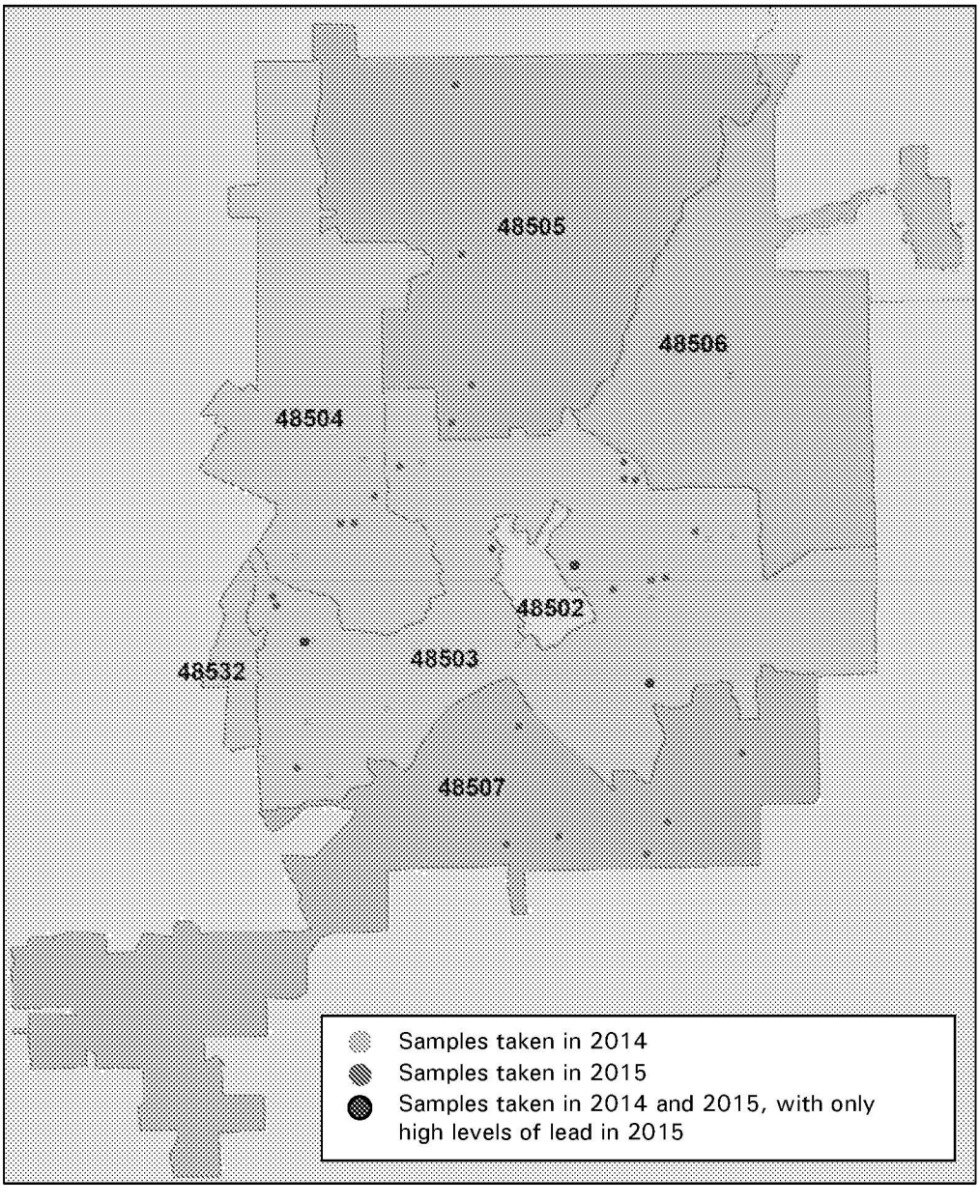
As noted in Question 5 of the additional questions answered by the OAG, DEQ has requested the Flint WTP to verify the tier 1 classification of all prior sample items.



Source: The OAG prepared this map using data obtained from DEQ and ©OpenStreetMap contributors (opendatacommons.org). The sample locations are approximate.

Flint WTP 2014 and 2015 Sample Locations With Lead Counts of 5 Parts Per Billion or Higher (Exhibit #2)

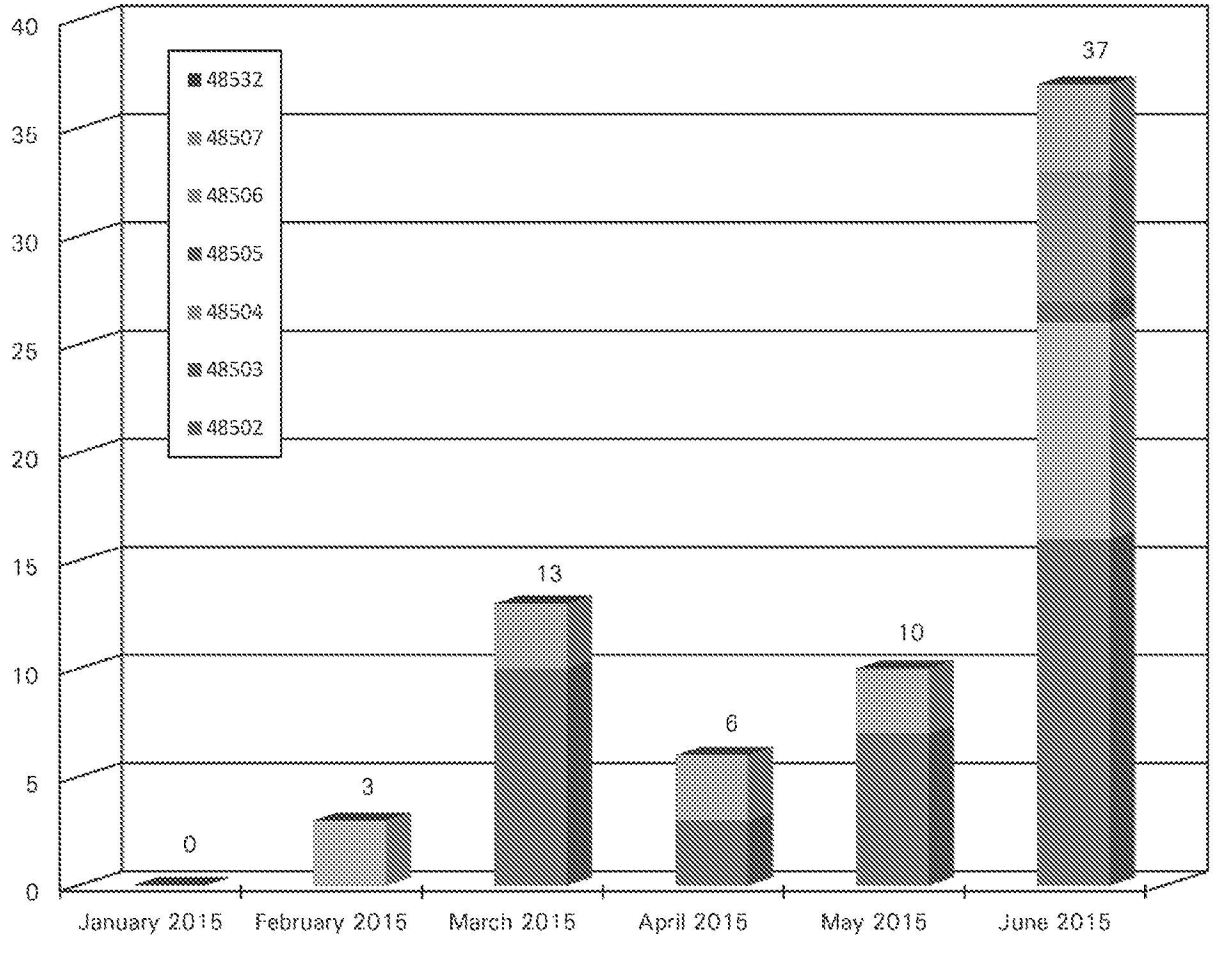
This exhibit documents the 2014 and 2015 sample locations with lead counts of 5 ppb or higher. This information is used in aggregate by DEQ to determine if the city has optimized lead levels.



Source: The OAG prepared this map using data obtained from DEQ and ©OpenStreetMap contributors (opendatacommons.org). The sample locations are approximate.

Flint WTP 2015 Number of Samples by Time Period and Zip Code (Exhibit #3)

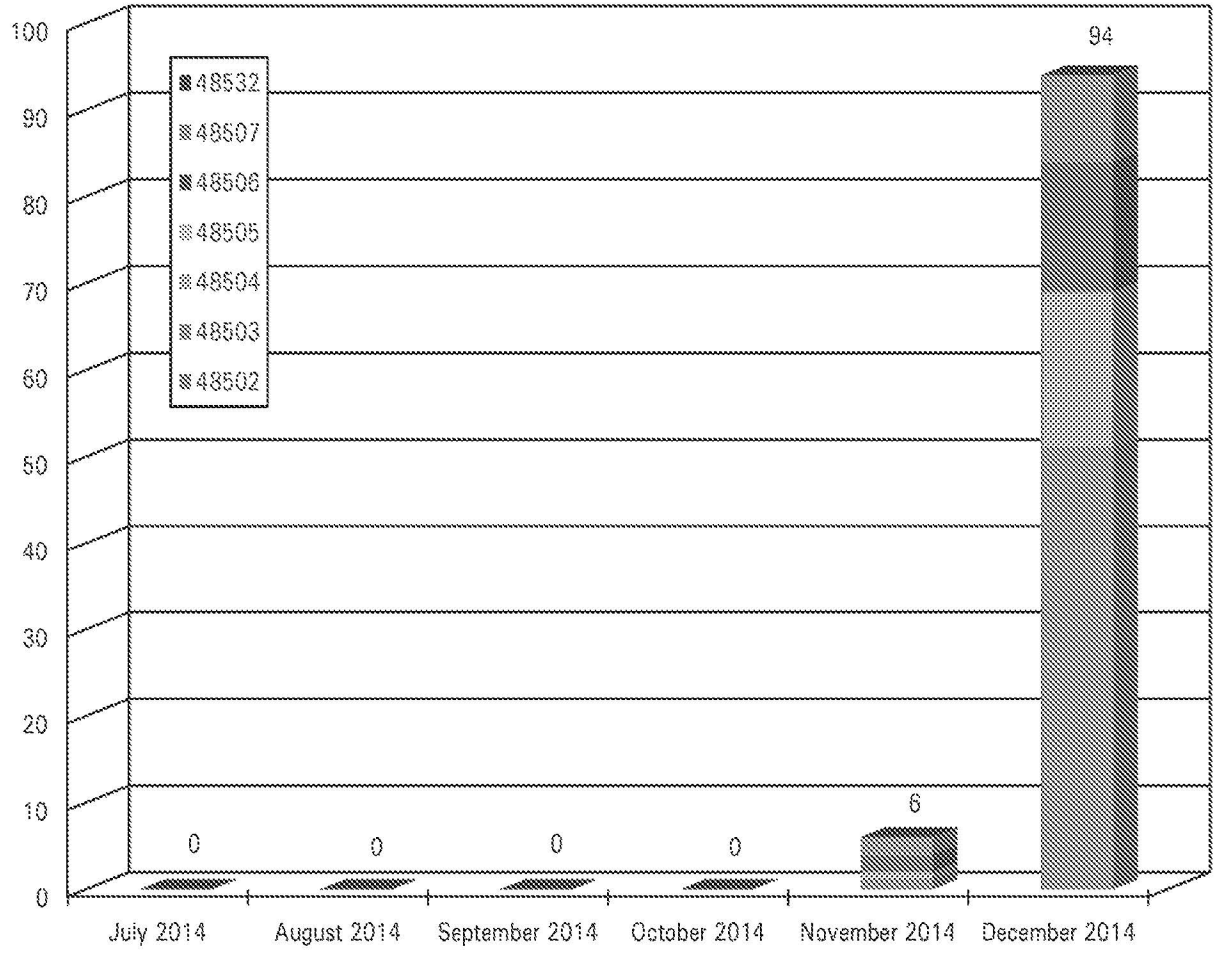
This chart expands on Exhibit #1 to show a summary by zip code and time of selection within the sampling period. Based on the data obtained during our review, we could not determine if the lateness of selection within the monitoring period affected the appropriateness of the sample items.



Source: The OAG prepared this chart using data obtained from DEQ.

Flint WTP 2014 Number of Samples by Time Period and Zip Code (Exhibit #4)

This chart expands on Exhibit #1 to show a summary by zip code and time of selection within the sampling period. Based on the data obtained during our review, we could not determine if the lateness of selection within the monitoring period affected the appropriateness of the sample items.



Source: The OAG prepared this chart using data obtained from DEQ.

March 2013
Flint City Council voted 7-1 to join Karegnondi Water Authority (KWA).

April 16, 2013
City of Flint emergency manager Ed Kurtz signs agreement to switch from Detroit Water and Sewerage Department (DWSD) water source to KWA.

April 17, 2013
DWSD said it will stop selling water to the City of Flint in April 2014.

July 2014
DEQ begins the first six-month Flint lead/copper monitoring period.

Mid-March 2014
City of Flint decides to use the Flint River as a water source.

April 25, 2014
City of Flint switches to Flint River water.

January 1, 2015
DEQ begins the second six-month Flint lead/copper monitoring period.

January 12, 2015
DWSD offers the City of Flint a waiver of the $4 million reconnection fee to switch back to Detroit water.

January 29, 2015
City of Flint emergency manager Jerry Ambrose declines DWSD water source reconnection.

February 3, 2015
Governor Snyder awards the City of Flint $2 million to find leaks and replace wastewater incinerator.

February 26, 2015
The EPA discusses a resident's water sample testing results with DEQ (high levels of lead found in water).

February 27, 2015
DEQ responded to the EPA saying that the Flint WTP has an optimized corrosion control program.

March 30, 2015
DEQ notifies the Flint WTP of the first six-month lead/copper monitoring period.

April 24, 2015
DEQ indicates no corrosion control (orthophosphate) chemical in place (treatment).

May 28, 2015
Sample results from the residence noted with high levels on February 26, 2015 show lead levels look good after a new copper service line installation.

July 21, 2015
The EPA and DEQ hold conference call on DEQ's implementation of the Lead and Copper Rule (LCR) and Flint issues.

August 17, 2015
DEQ notifies the Flint WTP of the second six-month lead/copper monitoring results.

August 23, 2015
Virginia Tech researcher notifies DEQ that he will begin a study of the City of Flint water quality.

September 2, 2015
Virginia Tech researcher claims that the corrosiveness of the Flint water is causing lead to leach into residents' water.

September 24, 2015
Hurley Medical Center study issued showing high blood lead levels in City of Flint children.

October 1, 2015
- Michigan Department of Health and Human Services confirms results of Hurley Medical Center study.
- City of Flint urges residents to not drink water.

October 8, 2015
City of Flint develops plan to reconnect to DWSD.

October 16, 2015
City of Flint reconnects to DWSD.

October 19, 2015
DEQ Director Dan Wyant states: ". . . staff made a mistake while working with the city of Flint. Simply stated, staff employed a federal [corrosion control] protocol they believed was appropriate, and it was not."

November 3, 2015
The EPA indicates differing possible interpretations of the LCR with respect to how the LCR's optimal corrosion control treatment procedures apply to this situation (new water source/new water treatment).

2013 | 2014 | 2015

Source: The OAG prepared this time line using data (e-mails, meeting notes, and letters) obtained from DEQ, newspaper and press release articles, the Flintwaterstudy.org, and the Hurley Medical Center survey results.

From: [redacted]
Sent: Saturday, October 03, 2015 10:41 AM
To: Rick Snyder; Scott, Allison (GOV); J. Frank Brown
Subject: Fwd: Flint water background information
Attachments: Attachment-1.jpeg

Governor,

Frank is a good friend who serves on Home Depot's Board. He has been a big fan of what we are doing in Michigan and I am very appreciative of his and HD's quick and generous assistance.

Frank, your exec team was superb. Many many thanks!

Rich

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Brown, Frank" <[redacted]>
Date: Oct 3, 2015 8:49 AM
Subject: Fwd: Flint water background information
To: bairdr@michigan.gov,[redacted]
Cc:

Hi. Hope this was helpful. Have a good weekend.

Frank

Sent from my iPad

Begin forwarded message:

From: <[redacted]>>
Date: October 3, 2015 at 9:40:29 AM EDT
To: <[redacted]
Subject: RE: Flint water background information

Frank: Just wanted to circle back on the action taken by the Home Depot Team. Our team connected with Richard Baird and received direction on the greatest need. As a result, we took the following action;

1. Donated 10 pallets of water for the Flint schools
2. Donated 8 pallets for the police and fire departments (we believe they will distribute to families)
3. We facilitated the purchase of water filters by the Red Cross ($80,000) with our supplier

In addition we are lowering our pricing on water and filters in the market to assist customers with purchase. Our district manager also conducted a training session on how to install/use the filters which will be

shared with residents.

We will stay in contact with Rich and the Mayor's office if additional needs arise.

Craig

-----Original Message-----
From: Brown, Frank [redacted]
Sent: Wednesday, September 30, 2015 10:48 AM
To: Menear, Craig A; Tome, Carol; Crow, Tim
Subject: Fwd: Flint water background information

Hi all. See below. My friend Rich is chief of staff for Governor Snyder. If we are interested in trying to help with this problem, please let me know and I will make the connection. Thanks a lot.

Frank

Sent from my iPad

Begin forwarded message:

From: "Baird, Richard (GOV)"
<bairdr@michigan.gov<mailto:bairdr@michigan.gov><mailto:bairdr@michigan.gov>>
Date: September 30, 2015 at 3:34:15 PM GMT+1
To: "Frank Brown
[redacted]
Cc: "Hollins, Harvey (GOV)"
<hollinsh@michigan.gov<mailto:hollinsh@michigan.gov><mailto:hollinsh@michigan.gov>>
Subject: FW: Flint water background information

Frank:

We have a situation in Flint, Michigan that is beginning to get national attention and could be an opportunity for Home Depot. 18 months ago, Flint switched its water supply from Detroit Water (the distance and pumping costs of going uphill made it quite expensive) to the Flint River as a temporary answer, until they could finish the construction to get their water from Lake Huron (Karagondi Water System). The corrosive attributes of the River water have exacerbated the lead deposit leaching into homeowner pipes and there is concern around lead poisoning, especially for infants.

The corporate community is rallying to address the problem. Meijer donated 1500 water filters to low income residents and GM is about to announce a donation of between 5,000 and 10,000 filters. I do not yet know where GM is getting the filters from, but I was thinking that Home Depot might want to join the effort with a donation, supply chain discounting assistance, or some combination of activity that could help Flint residents. Harvey Hollins is our point person for this effort, since he is the Director of Urban Initiatives for Governor Snyder. I have copied him here.

If you could get this into the hands of the right people and see if there is interest in speaking with Harvey, I

would be very appreciative. Thanks and take care.

Regards,

Rich

From: Murray, David (GOV)
Sent: Wednesday, September 30, 2015 9:35 AM
To: Baird, Richard (GOV)
Subject: Flint water background information

Hi Rich,

These are two documents that I think are helpful addressing the questions about lead and Flint water overall, prepared by DEQ and DHHS. These were intended for internal use, so please ask our partners to not share them beyond the people on their teams making the decisions.

Please let me know if you need anything else.

Dave

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov<mailto:MurrayD1@michigan.gov><mailto:MurrayD1@michigan.gov>
517-335-6397, office
[redacted]
Twitter:@michigandmurray

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[cid:A2F234B4-A10A-4824-B5B1-1ED79504A765]

PARK HERE

From: Stoken, Laura (GOV)
Sent: Tuesday, October 13, 2015 1:04 PM
To: Scott, Allison (GOV)
Cc: Hansen, Rachel (GOV)
Subject: FW: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Hey Allison,

This came into the Governor's public facing e-mail.

Thanks,

Laura

From: Wurfel, Sara (GOV)
Sent: Tuesday, October 13, 2015 11:49 AM
To: Kelly Rossman-McKinney <[redacted]
Cc: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>; connersp@michigan.gov; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Walsh, John (GOV) <WalshJ@michigan.gov>; McPhee, Karen (GOV) <McPheeK1@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Khouri, Nick (TREASURY) <KhouriN@michigan.gov>; Baird, Richard (GOV) <bairdr@michigan.gov>; Stanton, Terry A. (Treasury) <StantonT@michigan.gov>; Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Snyder, Rick (GOV) <[redacted]>; Darnell Earley <darnell.earley@detroitk12.org>
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Calling you now, Michelle.

Thanks much,
SW

Sara Wurfel
Press Secretary | Executive Office of Governor Rick Snyder

Sent from my iPhone

On Oct 13, 2015, at 11:37 AM, Kelly Rossman-McKinney <[redacted]> wrote:

> Works for me!
>
> Sent from my iPhone
>
> On Oct 13, 2015, at 11:24 AM, Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org> wrote:
>
> > All,

Mr. Earley asked me to share with you his response to the below media inquiry. It was as follows:

"The decision to separate from DWSD and go with the Karegnondi Water Authority, including the decision to pump Flint river water in the interim, were both a part of a long-term plan that was approved by Flint's Mayor, and confirmed by a City Council vote of 7-1 in March of 2013 - a full seven months before I began my term as Emergency Manager. That vote was supported and signed into emergency order by then Emergency Manager Edward Kurtz on March 29, 2013. It was my responsibility to implement the previously accepted and approved plan as the contract with DWSD expired in April 2014 during my term as EM. It did not fall to me to second guess or to invalidate the actions that were taken prior to my appointment. An even bigger concern that everyone should be focused on moving forward is what is done in the long-term to replace the crumbling water distribution system that exits throughout Flint and Genesee County."

Please let him know if you have any questions.

Thanks.

Michelle Z.

Michelle A. Zdrodowski

Executive Director of Communications

Detroit Public Schools

3011 W. Grand Boulevard, 14th Floor

Detroit, MI 48202

313.873.3238, office

[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM

To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier

Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Scott, Allison (GOV)
Sent: Friday, April 26, 2013 10:29 AM
To: Snyder, Rick (GOV)
Cc: Muchmore, Dennis (GOV); Roberts, John (DTMB)
Subject: FW: DWSD's responses to Flint's Questions
Attachments: DWSD KWA Background.pdf

fyi

From: Matthew Schenk [mailto:schenk@dwsd.org]
Sent: Friday, April 26, 2013 10:25 AM
To: ekurtz; hcroft@cityofflint.com
Cc: orrk; Dillon, Andy (Treasury); jfausone; Nicolette Bateson; Sue McCormick; Scott, Allison (GOV); William Wolfson; Stibitz, Brom (Treasury)
Subject: Fwd: DWSD's responses to Flint's Questions

Mr. Croft and Mr. Kurtz,

Attached is the back-up data that we believe is responsive to your request below. Please keep in mind that the information provided was developed in order to provide Flint with an "apples to apples" comparison of rates between the DWSD and KWA scenarios based upon current rate assumptions under the contract in place through April 2014.

As always, please feel free to call with any questions.

Matt

From: "Howard Croft" <hcroft@cityofflint.com>
To: "Sue McCormick" <mccormick@dwsd.org>
Cc: "Ed Kurtz" <ekurtz@cityofflint.com>
Sent: Thursday, April 25, 2013 2:24:32 PM
Subject: DWSD's responses to Flint's Questions

Good Afternoon Ms. McCormick,

We appreciate your response to our additional questions, Mr. Kurtz would like to know if you could provide a quick summary to the following inquiry.

On page two, in paragraph one, it is stated that "the total Water Utility Costs through 2042 are only $3,215.04 million, or $908.85 million less than the KWA scenario."

We are curious what formula DWSD used to calculate the $908.85 million dollars less than KWA?

We are meeting this afternoon to review your responses and any additional information on this issue would be greatly appreciated.

Thank you,

--
Howard Croft
Director Infrastructure & Development
City of Flint
1101 S. Saginaw Street
Flint, MI 48502
PH# 810.766.7346 Ext.2043

--
Matthew Schenk
Chief Operating Officer/
Chief Compliance Officer
DWSD
City of Detroit
Dave Bing, Mayor
(313) 224-4707

--
Matthew Schenk
Chief Operating Officer/
Chief Compliance Officer
DWSD
City of Detroit
Dave Bing, Mayor
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DWSD / KWA Executive Summary Outline

Premise and Approach

- Review most recent audited financial statements to establish baseline water revenues from Flint and Genesee County (GCDC), and how such revenues are applied.
- Estimate how baseline will be impacted under two scenarios
    - Continued purchase of treated water from DWSD
    - Construction of new KWA raw water supply system and treated water supply system for Genesee County and construction of modifications to Flint Water Treatment Plant
- Compare estimated short, mid, and long term financial projections for each scenario

Assumptions – common to both scenarios

- Current application of revenues is most accurately depicted by published audited financial statements for most recently fiscal years
    - FY ended December 31, 2011 for Genesee County Drain Commission (GCDC)
    - FY ended June 30, 2012 for City of Flint
- Most recently audited figures for Flint / Genesse County operating expenses, capital expenses, etc. are representative – inflate at 4.51%, ***consistent with TYJT report***

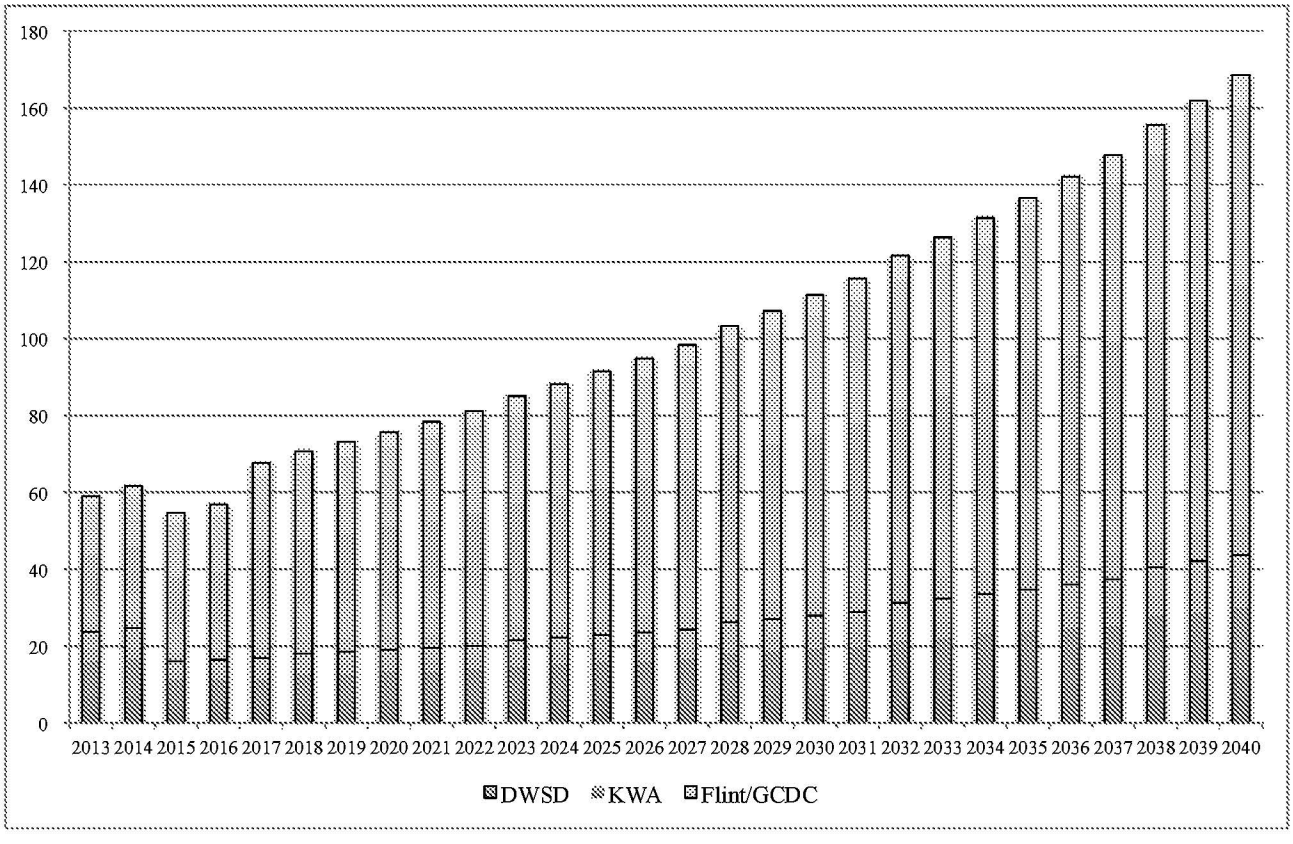
Assumptions – DWSD Scenario

- DWSD water rate schedule
    - DWSD rate structure to Flint / Genesee County is amended to reflect 4/24/2013 DWSD proposal, adjusted to reflect immediate reservation of 60 mgd capacity
    - DWSD rate escalation (for commodity and standby elements) at 4.7%, ***consistent with TYJT Report***

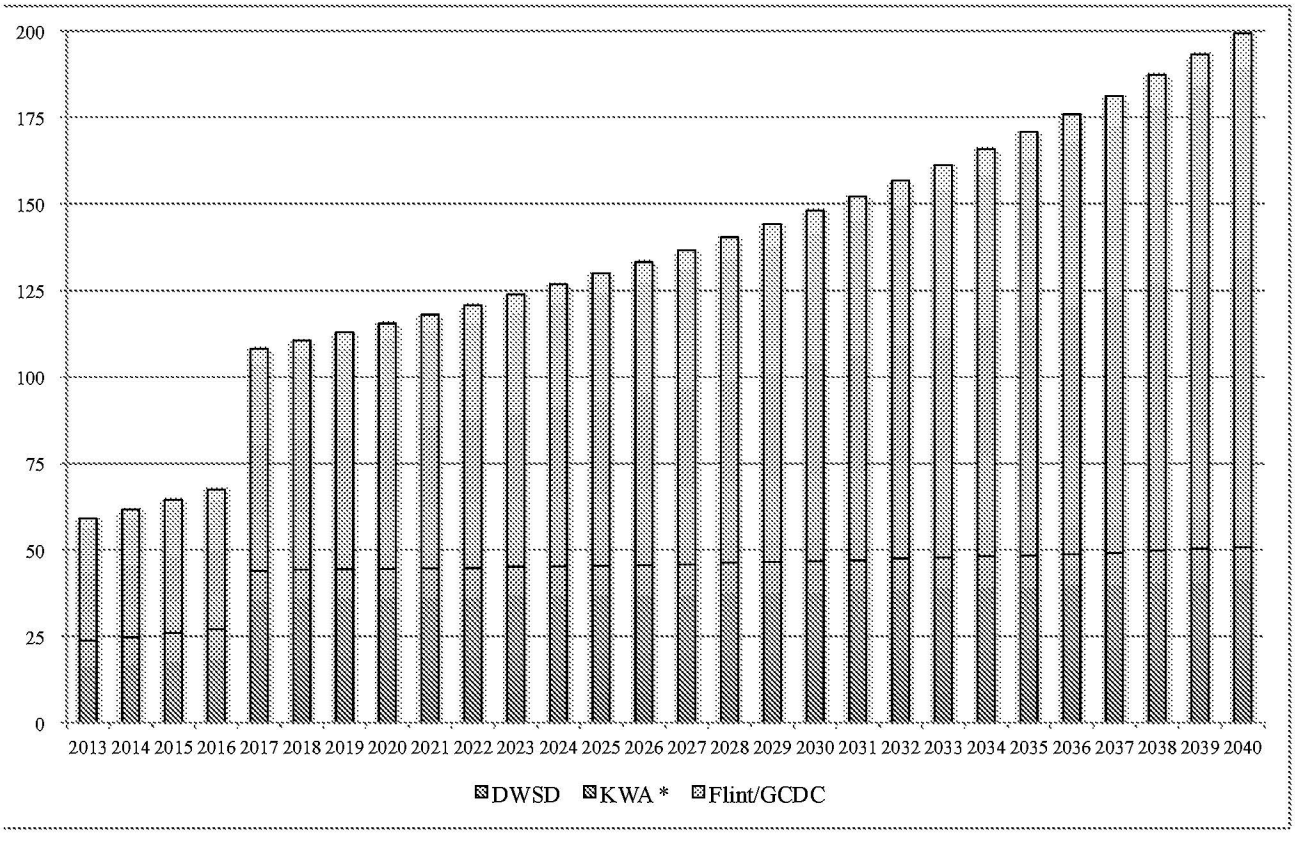
Assumptions – KWA Scenario

- KWA scenario begins in FY 2017, at which time purchased water from DWSD would cease
- Other than normal rate adjustments DWSD does not amend rate structure to Flint / GCDC
- KWA scenario costs
    - KWA Raw Water Pipeline and Appurtenances Construction = $357.58 million, ***consistent with TYJT report***
    - Flint Water Treatment Plant Construction Improvements = $7.1 million, ***consistent with TYJT report***
    - GCDC Water Treatment Plant Construction Improvements = $110 million, ***consistent with 2009 KWA Preliminary Engineering Report***
    - All construction costs are financed in terms set forth in the TYJT Report
        - 3 years of capitalized interest
        - Fully funded bond reserve account
        - Bond issuance expenses at 2.25%
    - In addition, revenues are assumed to need to generate 1.20x coverage of annual debt service
    - Flint Water Treatment Plant Operating costs = $8.27 million starting in 2017, ***consistent with TYJT report***
    - GCDC Water Treatment Plant Operating costs = $1.82 million starting in 2017, ***consistent with unit costs from the 2009 KWA Preliminary Engineering Report***

SUMMARY OF **TOTAL** PROJECTED WATER COSTS TO FLINT/GCDC - **DWSD** SCENARIO *($ millions)*



SUMMARY OF **TOTAL** PROJECTED WATER COSTS TO FLINT/GCDC - **KWA** SCENARIO *($ millions)*



Baseline Figures and Assumptions - DWSD Scenario

	DWSD Water Rate Structure		
	Fixed	Standby	Commodity
2014	738,006	0	13.01
2015	665,100	289,900	3.78

Total Water Service Costs for Flint / Genesee County Drain Commission

Costs of Current Facilities / Operations

	Most Recently Audited FY			Estimated Escalation		Estimated FY 2013 Baseline		
	Flint	GCDC	Combined	Flint	GCDC	Flint	GCDC	Combined
Purchased Water	8,303,710	12,947,738	21,251,448			*9,253,700*	*14,429,000*	23,682,700
Flint WTP	3,239,400	0	3,300,000	4.51%	4.51%	3,538,200	0	3,538,200
Other Operating Costs	12,361,400	5,831,540	18,132,344	4.51%	4.51%	13,501,500	6,369,400	19,804,800
Capital and Other	7,998,426	2,918,625	10,917,051	4.51%	4.51%	8,736,200	3,187,800	11,924,000
Total	31,902,936	21,697,903	53,600,843			35,029,600	23,986,200	58,949,700

Costs of Future Facilities / Operations

Redundant Line - Imlay to Baxter Potter

Cost of Redundant Line	94,680,000	
Issuance Expenses, etc.	2,177,600	
Required Financing	96,857,600	
Finance Rate	5%	
Finance Term	25	
Annual Payment	6,872,300	
Debt Svc Coverage	*125%*	
Annual Revenue Requirement	8,590,400	Start in FY 2017

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **DWSD** SCENARIO

		DWSD Purchased Water Costs							
		Water Purchases		Purchased	Water Rate Structure			Purchased	Total DWSD
		Avg Day	Max Day	Water	Fixed	Standby	Commodity	Water Costs	Costs
		mgd	*mgd*	*Mcf*	*$/mo*	*$/mo*	*$/Mcf*	*$*	*$*
Escalation:					*0.00%*	*4.70%*	*4.70%*		
1	2013	**25.0**	**60.0**	1,219,800	**707,000**	**0**	**12.46**	23,682,700	23,682,700
2	2014	25.0	60.0	1,219,800	**738,006**		**13.01**	24,725,700	24,725,700
3	2015	25.0	60.0	1,219,800	**665,100**	**289,900**	**3.78**	16,070,800	16,070,800
4	2016	25.0	60.0	1,219,800	665,100	303,500	3.96	16,453,600	16,453,600
5	2017	25.0	60.0	1,219,800	665,100	317,800	4.15	16,857,000	16,857,000
6	2018	27.0	60.0	1,317,400	665,100	359,400	4.35	18,024,700	18,024,700
7	2019	27.0	60.0	1,317,400	665,100	376,300	4.55	18,491,000	18,491,000
8	2020	27.0	60.0	1,317,400	665,100	394,000	4.76	18,980,000	18,980,000
9	2021	27.0	60.0	1,317,400	665,100	412,500	4.98	19,491,900	19,491,900
10	2022	27.0	60.0	1,317,400	665,100	431,900	5.21	20,027,700	20,027,700
11	2023	29.0	60.0	1,415,000	665,100	485,700	5.45	21,521,400	21,521,400
12	2024	29.0	60.0	1,415,000	665,100	508,500	5.71	22,162,900	22,162,900
13	2025	29.0	60.0	1,415,000	665,100	532,400	5.98	22,831,700	22,831,700
14	2026	29.0	60.0	1,415,000	665,100	557,400	6.26	23,527,900	23,527,900
15	2027	29.0	60.0	1,415,000	665,100	583,600	6.55	24,252,700	24,252,700
16	2028	31.0	60.0	1,512,600	665,100	653,200	6.86	26,196,000	26,196,000
17	2029	31.0	60.0	1,512,600	665,100	683,900	7.18	27,048,500	27,048,500
18	2030	31.0	60.0	1,512,600	665,100	716,000	7.52	27,948,000	27,948,000
19	2031	31.0	60.0	1,512,600	665,100	749,700	7.87	28,881,800	28,881,800
20	2032	33.0	60.0	1,610,200	665,100	835,600	8.24	31,276,400	31,276,400
21	2033	33.0	60.0	1,610,200	665,100	874,900	8.63	32,376,000	32,376,000
22	2034	33.0	60.0	1,610,200	665,100	916,000	9.04	33,529,400	33,529,400
23	2035	33.0	60.0	1,610,200	665,100	959,100	9.46	34,722,900	34,722,900
24	2036	33.0	60.0	1,610,200	665,100	1,004,200	9.90	35,972,600	35,972,600
25	2037	33.0	60.0	1,610,200	665,100	1,051,400	10.37	37,295,800	37,295,800
26	2038	35.0	60.0	1,707,800	665,100	1,167,500	10.86	40,537,900	40,537,900
27	2039	35.0	60.0	1,707,800	665,100	1,222,400	11.37	42,067,700	42,067,700
28	2040	35.0	60.0	1,707,800	665,100	1,279,900	11.90	43,662,800	43,662,800
29	2041	35.0	60.0	1,707,800	665,100	1,340,100	12.46	45,341,600	45,341,600
30	2042	35.0	60.0	1,707,800	665,100	1,403,100	13.05	47,105,200	47,105,200
	TOTAL			44,011,600	20,067,806	20,409,900		841,064,300	841,064,300

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **DWSD** SCENARIO

		Flint /Gen Co WTP Costs										GRAND
		Direct Capital Recovery				Flint Other	Flint WTP	Total Flint	Gen Co	Total Op	Total Flint/Gen	TOTAL
		Flint	Gen Co		Total	Water Costs	Op Costs	Op Costs	Op Costs	Costs	Co Costs	COSTS
		$	$		$	$	$	$	$	$	$	$
Escalation:		*4.51%*	*4.51%*			*4.51%*	*4.51%*		*4.51%*			
1	2013	8,736,100	3,187,800		11,923,900	**13,501,500**	**3,538,200**	17,039,700	**6,369,400**	23,409,100	35,333,000	**59,015,700**
2	2014	9,130,100	3,331,600		12,461,700	14,110,400	3,697,800	17,808,200	6,656,700	24,464,900	36,926,600	**61,652,300**
3	2015	9,541,900	3,481,900		13,023,800	14,746,800	3,864,600	18,611,400	6,956,900	25,568,300	38,592,100	**54,662,900**
4	2016	9,972,200	3,638,900		13,611,100	15,411,900	4,038,900	19,450,800	7,270,700	26,721,500	40,332,600	**56,786,200**
5	2017	10,421,900	3,803,000	**8,590,400**	22,815,300	16,107,000	4,221,100	20,328,100	7,598,600	27,926,700	50,742,000	**67,599,000**
6	2018	10,891,900	3,974,500	8,590,400	23,456,800	16,833,400	4,411,500	21,244,900	7,941,300	29,186,200	52,643,000	**70,667,700**
7	2019	11,383,100	4,153,700	8,590,400	24,127,200	17,592,600	4,610,500	22,203,100	8,299,500	30,502,600	54,629,800	**73,120,800**
8	2020	11,896,500	4,341,000	8,590,400	24,827,900	18,386,000	4,818,400	23,204,400	8,673,800	31,878,200	56,706,100	**75,686,100**
9	2021	12,433,000	4,536,800	8,590,400	25,560,200	19,215,200	5,035,700	24,250,900	9,065,000	33,315,900	58,876,100	**78,368,000**
10	2022	12,993,700	4,741,400	8,590,400	26,325,500	20,081,800	5,262,800	25,344,600	9,473,800	34,818,400	61,143,900	**81,171,600**
11	2023	13,579,700	4,955,200	8,590,400	27,125,300	20,987,500	5,500,200	26,487,700	9,901,100	36,388,800	63,514,100	**85,035,500**
12	2024	14,192,100	5,178,700	8,590,400	27,961,200	21,934,000	5,748,300	27,682,300	10,347,600	38,029,900	65,991,100	**88,154,000**
13	2025	14,832,200	5,412,300	8,590,400	28,834,900	22,923,200	6,007,500	28,930,700	10,814,300	39,745,000	68,579,900	**91,411,600**
14	2026	15,501,100	5,656,400	8,590,400	29,747,900	23,957,000	6,278,400	30,235,400	11,302,000	41,537,400	71,285,300	**94,813,200**
15	2027	16,200,200	5,911,500	8,590,400	30,702,100	25,037,500	6,561,600	31,599,100	11,811,700	43,410,800	74,112,900	**98,365,600**
16	2028	16,930,800	6,178,100	8,590,400	31,699,300	26,166,700	6,857,500	33,024,200	12,344,400	45,368,600	77,067,900	**103,263,900**
17	2029	17,694,400	6,456,700	8,590,400	32,741,500	27,346,800	7,166,800	34,513,600	12,901,100	47,414,700	80,156,200	**107,204,700**
18	2030	18,492,400	6,747,900	8,590,400	33,830,700	28,580,100	7,490,000	36,070,100	13,482,900	49,553,000	83,383,700	**111,331,700**
19	2031	19,326,400	7,052,200	8,590,400	34,969,000	29,869,100	7,827,800	37,696,900	14,091,000	51,787,900	86,756,900	**115,638,700**
20	2032	20,198,000	7,370,300	8,590,400	36,158,700	31,216,200	8,180,800	39,397,000	14,726,500	54,123,500	90,282,200	**121,558,600**
21	2033	21,108,900	7,702,700	8,590,400	37,402,000	32,624,100	8,549,800	41,173,900	15,390,700	56,564,600	93,966,600	**126,342,600**
22	2034	22,060,900	8,050,100	8,590,400	38,701,400	34,095,400	8,935,400	43,030,800	16,084,800	59,115,600	97,817,000	**131,346,400**
23	2035	23,055,800	8,413,200	8,590,400	40,059,400	35,633,100	9,338,400	44,971,500	16,810,200	61,781,700	101,841,100	**136,564,000**
24	2036	24,095,600	8,792,600	8,590,400	41,478,600	37,240,200	9,759,600	46,999,800	17,568,300	64,568,100	106,046,700	**142,019,300**
25	2037	25,182,300	9,189,100	8,590,400	42,961,800	38,919,700	10,199,800	49,119,500	18,360,600	67,480,100	110,441,900	**147,737,700**
26	2038	26,318,000	9,603,500	8,590,400	44,511,900	40,675,000	10,659,800	51,334,800	19,188,700	70,523,500	115,035,400	**155,573,300**
27	2039	27,504,900	10,036,600	8,590,400	46,131,900	42,509,400	11,140,600	53,650,000	20,054,100	73,704,100	119,836,000	**161,903,700**
28	2040	28,745,400	10,489,300	8,590,400	47,825,100	44,426,600	11,643,000	56,069,600	20,958,500	77,028,100	124,853,200	**168,516,000**
29	2041	30,041,800	10,962,400	8,590,400	49,594,600	46,430,200	12,168,100	58,598,300	21,903,700	80,502,000	130,096,600	**175,438,200**
30	2042	31,396,700	11,456,800		42,853,500	48,524,200	12,716,900	61,241,100	22,891,600	84,132,700	126,986,200	**174,091,400**
	TOTAL	533,858,000	194,806,200	214,760,000	943,424,200	825,082,600	216,229,800	1,041,312,400	389,239,500	1,430,551,900	2,373,976,100	3,215,040,400

Baseline Figures and Assumptions - KWA Scenario

	DWSD Water Rate Structure			
	Fixed	Standby	Commodity	
2014	738,006	#N/A	13.01	Service ceases after 2016

Total Water Service Costs for Flint / Genesee County Drain Commission

Costs of Current Facilities / Operations

Same as DWSD scenario

Costs of Future Facilities / Operations

Financing Costs for New Projects	Flint WTP Improvements	GCDC WTP and Other	KWA System (a)
Project Cost	7,100,000	110,038,554	357,578,060
Bond Sizing Factor	**37.65%**	**37.65%**	**37.65%**
Additional Bond Proceeds Needed	2,670,000	41,430,000	134,630,000
Bond Sale Size	9,800,000	151,500,000	492,200,000
Bond Issuance Expenses - %	2.25%	2.25%	2.25%
Bond Issuance Expenses	220,500	3,408,800	11,074,500
Finance Rate	5.00%	5.00%	5.00%
Finance Term	25	25	25
Bond Reserve Size - %	10.00%	10.00%	10.00%
Bond Reserve Size	980,000	15,150,000	49,220,000
Capitalized Interest term - years	3	3	3
Capitalized Interest	1,470,000	22,725,000	73,830,000
Net Bond Proceeds	7,129,500	110,216,200	358,075,500
Annual Debt Service Payment	695,300	10,749,300	34,922,800
Debt Service Coverage Requirement	120.00%	120.00%	120.00%
Annual Debt Service Coverage	139,100	2,149,900	6,984,600
Replacement?	144,900	2,251,600	(b)
Total Capital Financing Revenue Req't	979,300	15,150,800	41,907,400
Operating Cost Estimate Starting in FY 2017	8,270,000	1,819,900	(c)

(a) excludes raw water reservoir
(b) assume no annual replacement required for pipeline
(c) $1.30 per Mcf inflated to 2017

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **KWA** SCENARIO

		DWSD Alternative - DWSD Costs						Direct Capital Recovery				
		Water Purchases		Purchased	Water Rate Structure		Total DWSD					
		Avg Day	Max Day	Water	Fixed	Commodity	Costs	Flint	Gen Co	Flint New	Gen Co New	Total
		mgd	*mgd*	*Mcf*	*$/mo*	*$/Mcf*	*$*	*$*	*$*	*$*	*$*	*$*
Escalation:					*4.70%*	*4.70%*		*4.51%*	*4.51%*			
1	2013	**25.0**	**40.0**	1,219,800	**707,000**	**12.46**	23,682,700	8,736,100	3,187,800			11,923,900
2	2014	25.0	40.0	1,219,800	**738,006**	**13.01**	24,725,700	9,130,100	3,331,600			12,461,700
3	2015	25.0	40.0	1,219,800	**772,692**	**13.62**	25,886,000	9,541,900	3,481,900			13,023,800
4	2016	25.0	40.0	1,219,800	**809,009**	**14.26**	27,102,500	9,972,200	3,638,900			13,611,100
5	2017	25.0	**60.0**				0	10,421,900	3,803,000	**979,300**	**15,150,800**	30,355,000
6	2018	27.0	60.0				0	10,891,900	3,974,500	979,300	15,150,800	30,996,500
7	2019	27.0	60.0				0	11,383,100	4,153,700	979,300	15,150,800	31,666,900
8	2020	27.0	60.0				0	11,896,500	4,341,000	979,300	15,150,800	32,367,600
9	2021	27.0	60.0				0	12,433,000	4,536,800	979,300	15,150,800	33,099,900
10	2022	27.0	60.0				0	12,993,700	4,741,400	979,300	15,150,800	33,865,200
11	2023	29.0	60.0				0	13,579,700	4,955,200	979,300	15,150,800	34,665,000
12	2024	29.0	60.0				0	14,192,100	5,178,700	979,300	15,150,800	35,500,900
13	2025	29.0	60.0				0	14,832,200	5,412,300	979,300	15,150,800	36,374,600
14	2026	29.0	60.0				0	15,501,100	5,656,400	979,300	15,150,800	37,287,600
15	2027	29.0	60.0				0	16,200,200	5,911,500	979,300	15,150,800	38,241,800
16	2028	31.0	60.0				0	16,930,800	6,178,100	979,300	15,150,800	39,239,000
17	2029	31.0	60.0				0	17,694,400	6,456,700	979,300	15,150,800	40,281,200
18	2030	31.0	60.0				0	18,492,400	6,747,900	979,300	15,150,800	41,370,400
19	2031	31.0	60.0				0	19,326,400	7,052,200	979,300	15,150,800	42,508,700
20	2032	33.0	60.0				0	20,198,000	7,370,300	979,300	15,150,800	43,698,400
21	2033	33.0	60.0				0	21,108,900	7,702,700	979,300	15,150,800	44,941,700
22	2034	33.0	60.0				0	22,060,900	8,050,100	979,300	15,150,800	46,241,100
23	2035	33.0	60.0				0	23,055,800	8,413,200	979,300	15,150,800	47,599,100
24	2036	33.0	60.0				0	24,095,600	8,792,600	979,300	15,150,800	49,018,300
25	2037	33.0	60.0				0	25,182,300	9,189,100	979,300	15,150,800	50,501,500
26	2038	35.0	60.0				0	26,318,000	9,603,500	979,300	15,150,800	52,051,600
27	2039	35.0	60.0				0	27,504,900	10,036,600	979,300	15,150,800	53,671,600
28	2040	35.0	60.0				0	28,745,400	10,489,300	979,300	15,150,800	55,364,800
29	2041	35.0	60.0				0	30,041,800	10,962,400	979,300	15,150,800	57,134,300
30	2042	35.0	60.0				0	31,396,700	11,456,800			42,853,500
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	TOTAL			4,879,200	3,026,707		101,396,900	533,858,000	194,806,200	24,482,500	378,770,000	1,131,916,700

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **KWA** SCENARIO

		Flint /Gen Co WTP Costs						
		Flint Other Water Costs	Flint WTP Op Costs	Total Flint Op Costs	Gen Co WTP Op Costs	Gen Co Op Costs	Total Op Costs	Total Flint/Gen Co Costs
		$	$	$	$	$	$	$
Escalation:		*4.51%*	*4.51%*		*4.51%*	*4.51%*		
1	2013	**13,501,500**	**3,538,200**	17,039,700		**6,369,400**	23,409,100	35,333,000
2	2014	14,110,400	3,697,800	17,808,200		6,656,700	24,464,900	36,926,600
3	2015	14,746,800	3,864,600	18,611,400		6,956,900	25,568,300	38,592,100
4	2016	15,411,900	4,038,900	19,450,800		7,270,700	26,721,500	40,332,600
5	2017	16,107,000	**8,270,000**	24,377,000	**1,819,900**	7,598,600	33,795,500	64,150,500
6	2018	16,833,400	8,643,000	25,476,400	1,902,000	7,941,300	35,319,700	66,316,200
7	2019	17,592,600	9,032,800	26,625,400	1,987,800	8,299,500	36,912,700	68,579,600
8	2020	18,386,000	9,440,200	27,826,200	2,077,400	8,673,800	38,577,400	70,945,000
9	2021	19,215,200	9,866,000	29,081,200	2,171,100	9,065,000	40,317,300	73,417,200
10	2022	20,081,800	10,311,000	30,392,800	2,269,000	9,473,800	42,135,600	76,000,800
11	2023	20,987,500	10,776,000	31,763,500	2,371,300	9,901,100	44,035,900	78,700,900
12	2024	21,934,000	11,262,000	33,196,000	2,478,200	10,347,600	46,021,800	81,522,700
13	2025	22,923,200	11,769,900	34,693,100	2,590,000	10,814,300	48,097,400	84,472,000
14	2026	23,957,000	12,300,700	36,257,700	2,706,800	11,302,000	50,266,500	87,554,100
15	2027	25,037,500	12,855,500	37,893,000	2,828,900	11,811,700	52,533,600	90,775,400
16	2028	26,166,700	13,435,300	39,602,000	2,956,500	12,344,400	54,902,900	94,141,900
17	2029	27,346,800	14,041,200	41,388,000	3,089,800	12,901,100	57,378,900	97,660,100
18	2030	28,580,100	14,674,500	43,254,600	3,229,100	13,482,900	59,966,600	101,337,000
19	2031	29,869,100	15,336,300	45,205,400	3,374,700	14,091,000	62,671,100	105,179,800
20	2032	31,216,200	16,028,000	47,244,200	3,526,900	14,726,500	65,497,600	109,196,000
21	2033	32,624,100	16,750,900	49,375,000	3,686,000	15,390,700	68,451,700	113,393,400
22	2034	34,095,400	17,506,400	51,601,800	3,852,200	16,084,800	71,538,800	117,779,900
23	2035	35,633,100	18,295,900	53,929,000	4,025,900	16,810,200	74,765,100	122,364,200
24	2036	37,240,200	19,121,000	56,361,200	4,207,500	17,568,300	78,137,000	127,155,300
25	2037	38,919,700	19,983,400	58,903,100	4,397,300	18,360,600	81,661,000	132,162,500
26	2038	40,675,000	20,884,700	61,559,700	4,595,600	19,188,700	85,344,000	137,395,600
27	2039	42,509,400	21,826,600	64,336,000	4,802,900	20,054,100	89,193,000	142,864,600
28	2040	44,426,600	22,811,000	67,237,600	5,019,500	20,958,500	93,215,600	148,580,400
29	2041	46,430,200	23,839,800	70,270,000	5,245,900	21,903,700	97,419,600	154,553,900
30	2042	48,524,200	24,915,000	73,439,200	5,482,500	22,891,600	101,813,300	144,666,800
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	TOTAL	825,082,600	409,116,600	1,234,199,200	86,694,700	389,239,500	1,710,133,400	2,842,050,100

WORKSHEET - PROJECTED WATER COSTS TO FLINT - **KWA** SCENARIO

		KWA Costs								**GRAND**
		Debt Service	Covg/Other Capital Costs	Water Sales	Non-Revenue Water	Water Production	Unit Op Costs	Operating Costs	Total KWA Costs	**TOTAL COSTS**
		$	*$*	*Mcf*	*Mcf*	*Mcf*	*$/Mcf*	*$*	*$*	***$***
Escalation:					*5.00%*		*5.00%*			
1	2013				0	0		0	0	**59,015,700**
2	2014				0	0		0	0	**61,652,300**
3	2015				0	0		0	0	**64,478,100**
4	2016				0	0		0	0	**67,435,100**
5	2017	**34,922,800**	**6,984,600**	1,219,800	64,200	1,284,000	**1.58**	2,028,700	43,936,100	**108,086,600**
6	2018	34,922,800	6,984,600	1,317,400	69,300	1,386,700	1.66	2,301,900	44,209,300	**110,525,500**
7	2019	34,922,800	6,984,600	1,317,400	69,300	1,386,700	1.74	2,412,900	44,320,300	**112,899,900**
8	2020	34,922,800	6,984,600	1,317,400	69,300	1,386,700	1.83	2,537,700	44,445,100	**115,390,100**
9	2021	34,922,800	6,984,600	1,317,400	69,300	1,386,700	1.92	2,662,500	44,569,900	**117,987,100**
10	2022	34,922,800	6,984,600	1,317,400	69,300	1,386,700	2.02	2,801,100	44,708,500	**120,709,300**
11	2023	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.12	3,157,700	45,065,100	**123,766,000**
12	2024	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.23	3,321,600	45,229,000	**126,751,700**
13	2025	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.34	3,485,400	45,392,800	**129,864,800**
14	2026	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.46	3,664,200	45,571,600	**133,125,700**
15	2027	34,922,800	6,984,600	1,415,000	74,500	1,489,500	2.58	3,842,900	45,750,300	**136,525,700**
16	2028	34,922,800	6,984,600	1,512,600	79,600	1,592,200	2.71	4,314,900	46,222,300	**140,364,200**
17	2029	34,922,800	6,984,600	1,512,600	79,600	1,592,200	2.85	4,537,800	46,445,200	**144,105,300**
18	2030	34,922,800	6,984,600	1,512,600	79,600	1,592,200	2.99	4,760,700	46,668,100	**148,005,100**
19	2031	34,922,800	6,984,600	1,512,600	79,600	1,592,200	3.14	4,999,500	46,906,900	**152,086,700**
20	2032	34,922,800	6,984,600	1,610,200	84,700	1,694,900	3.30	5,593,200	47,500,600	**156,696,600**
21	2033	34,922,800	6,984,600	1,610,200	84,700	1,694,900	3.47	5,881,300	47,788,700	**161,182,100**
22	2034	34,922,800	6,984,600	1,610,200	84,700	1,694,900	3.64	6,169,400	48,076,800	**165,856,700**
23	2035	34,922,800	6,984,600	1,610,200	84,700	1,694,900	3.82	6,474,500	48,381,900	**170,746,100**
24	2036	34,922,800	6,984,600	1,610,200	84,700	1,694,900	4.01	6,796,500	48,703,900	**175,859,200**
25	2037	34,922,800	6,984,600	1,610,200	84,700	1,694,900	4.21	7,135,500	49,042,900	**181,205,400**
26	2038	34,922,800	6,984,600	1,707,800	89,900	1,797,700	4.42	7,945,800	49,853,200	**187,248,800**
27	2039	34,922,800	6,984,600	1,707,800	89,900	1,797,700	4.64	8,341,300	50,248,700	**193,113,300**
28	2040	34,922,800	6,984,600	1,707,800	89,900	1,797,700	4.87	8,754,800	50,662,200	**199,242,600**
29	2041	34,922,800	6,984,600	1,707,800	89,900	1,797,700	5.11	9,186,200	51,093,600	**205,647,500**
30	2042			1,707,800	89,900	1,797,700	5.37	9,653,600	9,653,600	**154,320,400**
	TOTAL	873,070,000	174,615,000	39,132,400	2,059,300	41,191,700		132,761,600	1,180,446,600	4,123,893,600

From: Baird, Richard (GOV)
Sent: Tuesday, October 13, 2015 11:46 AM
To: Wurfel, Sara (GOV); Murray, David (GOV); Workman, Wayne (TREASURY)
Subject: Fwd: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Is this okay with you folks? I think Darnell is feeling unfairly maligned.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Kelly Rossman-McKinney <krossman@truscottrossman.com>
Date: Oct 13, 2015 11:37 AM
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response
To: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>
Cc: connersp@michigan.gov,"Muchmore, Dennis (GOV)" <muchmored@michigan.gov>,"Walsh, John (GOV)" <WalshJ@michigan.gov>,"McPhee, Karen (GOV)" <McPheeK1@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Khouri, Nick (TREASURY)" <KhouriN@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>,"Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>,"Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>,"Wurfel, Sara (GOV)" <Wurfels@michigan.gov>,"Snyder, Rick (GOV)" [redacted]Darnell Earley <darnell.earley@detroitk12.org>

Works for me!

Sent from my iPhone

On Oct 13, 2015, at 11:24 AM, Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org> wrote:

> All,
>
> Mr. Earley asked me to share with you his response to the below media inquiry. It was as follows:
>
> "The decision to separate from DWSD and go with the Karegnondi Water Authority, including the decision to pump Flint river water in the interim, were both a part of a long-term plan that was approved by Flint's Mayor, and confirmed by a City Council vote of 7-1 in March of 2013 - a full seven months before I began my term as Emergency Manager. That vote was supported and signed into emergency order by then Emergency Manager Edward Kurtz on March 29, 2013. It was my responsibility to implement the previously accepted and approved plan as the contract with DWSD expired in April 2014 during my term as EM. It did not fall to me to second guess or to invalidate the actions that were taken prior to my appointment. An even bigger concern that everyone should be focused on moving forward is what is done in the long-term to replace the crumbling water distribution system that exits throughout Flint and Genesee County."

Please let him know if you have any questions.

Thanks.

Michelle Z.

Michelle A. Zdrodowski

Executive Director of Communications

Detroit Public Schools

3011 W. Grand Boulevard, 14th Floor

Detroit, MI 48202

313.873.3238, office

[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier

Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Workman, Wayne (TREASURY)
Sent: Tuesday, October 13, 2015 12:29 PM
To: Baird, Richard (GOV); Wurfel, Sara (GOV); Murray, David (GOV)
Subject: RE: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

The only change might be to add that DWSD terminating Flint from their system caused Flint to go to the river, Just saw Darnell at HOB.

Wayne L. Workman
Deputy State Treasurer
Michigan Department of Treasury

From: Baird, Richard (GOV)
Sent: Tuesday, October 13, 2015 11:46 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>
Subject: Fwd: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response

Is this okay with you folks? I think Darnell is feeling unfairly maligned.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Kelly Rossman-McKinney <krossman@truscottrossman.com>
Date: Oct 13, 2015 11:37 AM
Subject: Re: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)-D. Earley Response
To: Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org>
Cc: connersp@michigan.gov,"Muchmore, Dennis (GOV)" <muchmored@michigan.gov>,"Walsh, John (GOV)" <WalshJ@michigan.gov>,"McPhee, Karen (GOV)" <McPheeK1@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>,"Khouri, Nick (TREASURY)" <KhouriN@michigan.gov>,"Baird, Richard (GOV)" <bairdr@michigan.gov>,"Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>,"Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>,"Wurfel, Sara (GOV)" <Wurfels@michigan.gov>,"Snyder, Rick (GOV)" [redacted]Darnell Earley <darnell.earley@detroitk12.org>

Works for me!

Sent from my iPhone

On Oct 13, 2015, at 11:24 AM, Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org> wrote:

> All,
>
> Mr. Earley asked me to share with you his response to the below media inquiry. It was as follows:

"The decision to separate from DWSD and go with the Karegnondi Water Authority, including the decision to pump Flint river water in the interim, were both a part of a long-term plan that was approved by Flint's Mayor, and confirmed by a City Council vote of 7-1 in March of 2013 - a full seven months before I began my term as Emergency Manager. That vote was supported and signed into emergency order by then Emergency Manager Edward Kurtz on March 29, 2013. It was my responsibility to implement the previously accepted and approved plan as the contract with DWSD expired in April 2014 during my term as EM. It did not fall to me to second guess or to invalidate the actions that were taken prior to my appointment. An even bigger concern that everyone should be focused on moving forward is what is done in the long-term to replace the crumbling water distribution system that exits throughout Flint and Genesee County."

Please let him know if you have any questions.

Thanks.

Michelle Z.

Michelle A. Zdrodowski

Executive Director of Communications

Detroit Public Schools

3011 W. Grand Boulevard, 14th Floor

Detroit, MI 48202

313.873.3238, office

[redacted] mobile

From: Debbie Frazier
Sent: Tuesday, October 13, 2015 10:27 AM
To: Michelle Zdrodowski; Chrystal Wilson; Da'Stanza Murphy
Subject: Media Call: Ron Fonger - Flint Journal (Deadline ASAP)

Ron Fonger - Flint Journal

[redacted] - [redacted]

Re: The State Democratic Party just issued a letter to the Governor to fire Mr. Earley due to his decision the switch the water system. As soon as he's done writing, he will issue it online but wants to include a statement for Mr. Earley.

Debbie Frazier

Office Manager

Detroit Public Schools

Office of Communications

Fisher Building, 14th Floor

3011 West Grand Boulevard

Detroit, MI 48202

(313) 873-3494 desk

(313) 873-6269 fax

From: Wurfel, Sara (GOV)
Sent: Monday, October 19, 2015 12:08 PM
To: Snyder, Rick (GOV)
Cc: Scott, Allison (GOV)
Subject: Fwd: DRAFT DEQ Statement on leadership change And KEY MESSAGES-- Need review ASAP

Per quick convo earlier. Here's more to follow up from Dan's update yesterday.

Thanks much
SW

Sent from my iPhone

Begin forwarded message:

> **From:** "Wyant, Dan (DEQ)" <WyantD@michigan.gov>
> **Date:** October 19, 2015 at 9:07:39 AM EDT
> **To:** "Wurfel, Brad (DEQ)" <WurfelB@michigan.gov>
> **Cc:** "Wurfel, Sara (GOV)" <WurfelS@michigan.gov>, "Murray, David (GOV)" <MurrayD1@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Tommasulo, Karen (DEQ)" <TommasuloK@michigan.gov>, "Krisztian, George (DEQ)" <krisztiang@michigan.gov>, "Sygo, Jim (DEQ)" <SygoJ@michigan.gov>, "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>
> **Subject: Re: DRAFT DEQ Statement on leadership change And KEY MESSAGES-- Need review ASAP**
>
> I'm good with this.
>
> Sent from my iPhone
>
> On Oct 19, 2015, at 8:35 AM, Wurfel, Brad (DEQ) <WurfelB@michigan.gov> wrote:
>
> > This is going out to media as soon as I've got green light from folks in the "to" line. Everyone else is also welcome to share thoughts as well.
> > Thanks for fast review.
> > b
> >
> > Brad Wurfel
> > Communications Director
> > Michigan Department of Environmental Quality
> > 517-284-6713
> > [redacted] cell
> >
> > ***DEQ Director Dan Wyant today made the following statement as he announced DEQ Chief Deputy Jim Sygo will immediately assume the role of interim chief of the department's Office of Drinking Water and Municipal Assistance:***

"It recently has become clear that our drinking water program staff made a mistake while working with the City of Flint. Simply stated, staff employed a federal protocol they believed was appropriate, and it was not. The water testing steps followed would have been correct for a city less than 50,000 people, but not for a city of nearly 100,000.

As details of the situation emerge, I am convinced our program staff believed they were doing their job right. As the state recognized there could be a health threat to Flint residents, we took appropriate steps. We are now embarked on an unprecedented effort to safeguard Flint residents and families with near-term, intermediate and long-term actions to protect and educate city residents.

The issue in DEQ is experience and protocol with respect to corrosion control. The Governor has called for an independent, third-party after-action review. I have taken the step of changing leadership in the division. We are working with our federal partners and committed to being part of the U.S. EPA's effort to strengthen its Lead and Copper rule.

All who brought this issue to the department deserve credit for bringing it forward. Lead is a serious issue, particularly for young people, and we take it seriously. The Governor's plan incorporates the suggestions outlined by the EPA and researchers at Virginia Tech.

We will learn from this. We will make necessary changes to see to it that our program becomes a national leader in public health protection."

KEY MESSAGES:

1. It is increasingly clear through internal review at DEQ that staff overseeing drinking water mistakenly applied the wrong federal protocol when the city of Flint switched to the Flint River.

2. Today's announcement of new leadership in that division aligns with the states goal: make sure the public health is protected in Flint and elsewhere in the state, and ensure we learn from this so it never happens again.

3. The governor's action plan continues to protect kids and families in Flint, with the switch back to Detroit water last week, free water filtration for all city residents, and inspection of all Flint schools for lead exposure.

4. Flint families who are concerned are encouraged to take advantage of free home water testing through the city and blood lead level testing for children.

From:	Dayne Walling <dwalling@cityofflint.com>
Sent:	Monday, September 14, 2015 4:17 PM
To:	GovernorsOffice; Snyder, Rick (GOV)
Cc:	Joshua Freeman; senjananich@senate.mi.gov; Hollins, Harvey (GOV); Muchmore, Dennis (GOV); Phil Phelps; SheldonNeeley@house.mi.gov; Hedman, Susan; Natasha Henderson
Subject:	Flint Water Request
Attachments:	Flint Mayor Water Request.pdf

Dear Governor,
I am renewing my call for additional funding to address Flint's water challenges. While significant progress has been made, with the fiscal stress and pending lawsuits against the City, there is a gap in the funds necessary to meet the adopted capital improvement plan and to respond to new needs with lead pipes. Attached is a letter of request. I thank you in advance for your willingness to review.

Sincerely,
Mayor Walling

--
Dayne Walling
Mayor, City of Flint
City Hall, 1101 S. Saginaw St.
Flint, MI 48502
810-766-7346
mayor@cityofflint.com
www.cityofflint.com
follow me on twitter at http://twitter.com/mayorwalling

CITY OF FLINT

Dayne Walling
Mayor

September 14, 2015

The Honorable Rick Snyder
Governor, State of Michigan
P.O. Box 30013
Lansing, MI 48909

RE: Call for Additional Support for Flint Water Improvement Plan

Dear Governor Snyder:

On behalf of the Flint community, I am writing with a renewed request for additional support to address Flint's water challenges to ensure that water is affordable and secure for everyone in Flint especially our vulnerable populations. I am asking for an additional $30 million in funds for Flint's infrastructure and a new healthy homes initiative.

Significant progress has been made throughout this year to increase water safety and quality and I thank you for the involvement of your office, the Michigan Department of Environmental Quality, and the Michigan Department of Treasury. A majority of items in the Water Improvement Plan are completed or underway. Most importantly, Flint is now in compliance with the Safe Drinking Water Act due in large part to the installation of the new carbon filter. The infrastructure systems are being made more secure and efficient through the State grants. Now the City is committed to following the recommendation of the Michigan Department of Environmental Quality to optimize the treatment process, reduce corrosion and further minimize risks from lead.

The need to accelerate the City's capital improvement investments remains and has been further increased by the continued financial stress and legal issues. Previously I requested support for replacement or forgiveness of payment to the Drinking Water Revolving Loan Fund due to Flint's status as a distressed community and the gap in funding in the adopted capital improvement plan. I understand that the existing federal law does not allow the existing Drinking Water Revolving Loans that Flint is carrying to be forgiven in retrospect but the need still exists. Flint owes approximately $20 Million. One solution is for the State to grant a new $20 Million that is designed as forgivable from the start. Another solution is to provide

equivalent funding through an expansion of the grant program to Michigan's Financially Distressed Cities, Villages and Townships with a supplemental budget amendment in cooperation with the State Legislature.

The community's heightened concern about lead leeching into the water from old service lines and home plumbing also needs to be addressed. We know that lead is an environmental contaminant and there have been many programs in place over the years to address sources in paint and pipes. Flint needs a new healthy homes initiative specifically focused on lead in water with $10 Million to start the process of replacing service lines for the most vulnerable households. Regardless of the source and treatment of Flint's water, this long term threat of lead in pipes needs to be removed in the interest of public health.

My approach continues to be to work with you and your appointed officials, State Senator Ananich, State Representatives Phelps and Neeley, Congressman Kildee, community groups, businesses, churches, foundations, the Flint City Council, and all of the City of Flint and State and Federal government personnel. We need every available expert and resource to address Flint's water problems.

Flint's safety is my top priority. Just as the City and State have worked together on public safety, we need additional support for fixing the water problems. We need $30 Million in new funds to repair and update the city-wide infrastructure and to assist households in becoming lead-free. The entire Flint community deserves sustainable, safe, secure and affordable water now and into the future. Thank you for the consideration Governor and I look forward to future discussions.

Sincerely,

Dayne Walling
Mayor, City of Flint

CC: Flint City Council President Joshua Freeman; Congressman Dan Kildee; State Senator Jim Ananich; State Representative Sheldon Neeley; State Representative Phil Phelps; EPA Regional Administrator Dr. Susan Hedman; Chief of Staff Dennis Muchmore

CITY OF FLINT

Dayne Walling
Mayor

January 18, 2015

The Honorable Rick Snyder
Governor, State of Michigan
P.O. Box 30013
Lansing, MI 48909

RE: Flint Water Improvement Plan

Dear Governor Snyder:

On behalf of the Flint community, I am writing to convey serious concerns about water quality and to request your support for my proposed Flint Water Improvement Plan. Access to safe and clean water is a basic human right, and, therefore, policy and budget decisions need to ensure that water is affordable and secure for everyone in Flint and all across Michigan. It is essential there is City, State and Federal cooperation to address the challenges here and to meet the needs of vulnerable populations.

The Flint Water Improvement Plan is focused in five areas: safety, quality, access, investment and education. The plan puts safety and quality first because this is fundamental. It is designed to be a sustainable solution for the City of Flint and the community as we move towards a new permanent water supply from Lake Huron through the Karegnondi Water Authority. My plan offers new ideas and also builds on successful models of utility, energy and assistance programs at the State and Federal levels.

Safety & Quality

- 100% Safety is the standard
- City of Flint reports testing data to the public to assure safety and expands testing sites and frequency
- Bring on experienced river water treatment operational management in the City of Flint

Access

- Announce an amnesty program for Flint water service turn-ons and reduce the turn-on fee
- Develop a revised affordable payment plan policy to encourage customers to return
- Design Federal and State partnership to establish new Drinking Water Emergency Assistance Fund for the elderly and vulnerable families

Investment

- Accelerate water system improvements outlined in the City of Flint Capital Improvement Plan through Federal and State investments
    - State approves City of Flint's Distressed Cities Fund applications

- Federal and State support for replacement or forgiveness of payment to the Drinking Water Revolving Loan Fund due to Flint's status as a distressed community
- Federal and State grants for infrastructure improvements in alignment with the Flint Master Plan.

- City Water Department implements budgeted FY15 projects including leak detection, valve repairs, new pipes and meter replacements

Education

- Develop a community partnership with universities to provide household and business customers with information on testing and conservation
- Ongoing partnership with Michigan Department of Human Services, United Way, Salvation Army and community organizations to provide information and water assistance with the Keep the Water Flowing Fund and support services
- Expand youth energy initiative to assist households with conservation and efficiency (piloted in summer 2014 with Northwestern High School students, EcoWorks and Consumers Energy)

It is also critical to restore the public confidence in Flint Water. The implementation of this plan must be accompanied by extensive community engagement including local elected officials. My objective is to work with you and your appointed officials, State Senator Ananich, State Representatives Phelps and Neeley, Congressman Kildee, community groups, businesses, churches, foundations, the Flint City Council, and all of the City of Flint and government personnel.

It is imperative that we communicate better and provide residents more information. I understand representatives from the Michigan Department of Environmental Quality will be joining a public forum this week at City Hall. This engagement going forward is vital so thank you for supporting their efforts. I think this issue of transparency is important for communities all across the State. I recommend a review of the applicable laws and policies and, at a minimum, a new requirement that water testing data be reported publicly no less than quarterly by law in all Michigan communities in Flint's population category.

Thank you for the consideration Governor. There is nothing more important in Flint right now than fixing the water problems. We must work together to identify funds to repair and update the water treatment facilities and city-wide infrastructure and to help those persons without access to clean water so that the entire Flint community has sustainable, safe, secure and affordable water now and into the future. This is an important issue for the state of our State of Michigan and I urge you to work with us to implement solutions.

Sincerely,

Dayne Walling, Mayor
City of Flint

CC: Flint City Council President Joshua Freeman; Congressman Dan Kildee; State Senator Jim Ananich; State Representative Sheldon Neeley; State Representative Phil Phelps; Flint Emergency Manager Jerry Ambrose

From: Hollins, Harvey (GOV)
Sent: Monday, September 14, 2015 5:59 PM
To: Muchmore, Dennis (GOV)
Subject: Re: Flint Water Request

Chief, Dayne will not have a cake walk to get reelect end. While the need is real, the timing of this request is suspect.

Best,
Harvey

On Sep 14, 2015, at 5:07 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Great, we have a lot of money laying around...
>
> **From:** Dayne Walling [mailto:dwalling@cityofflint.com]
> **Sent:** Monday, September 14, 2015 4:17 PM
> **To:** GovernorsOffice <[redacted]; Snyder, Rick (GOV)
> <[redacted]
> **Cc:** Joshua Freeman <jfreeman@cityofflint.com>; senjananich@senate.mi.gov; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Phil Phelps <philphelps@house.mi.gov>; SheldonNeeley@house.mi.gov; Hedman, Susan <Hedman.susan@epa.gov>; Natasha Henderson <nhenderson@cityofflint.com>
> **Subject:** Flint Water Request
>
> Dear Governor,
> I am renewing my call for additional funding to address Flint's water challenges. While significant progress has been made, with the fiscal stress and pending lawsuits against the City, there is a gap in the funds necessary to meet the adopted capital improvement plan and to respond to new needs with lead pipes. Attached is a letter of request. I thank you in advance for your willingness to review.
>
> Sincerely,
> Mayor Walling
>
> --
> Dayne Walling
> Mayor, City of Flint
> City Hall, 1101 S. Saginaw St.
> Flint, MI 48502
> 810-766-7346
> mayor@cityofflint.com
> www.cityofflint.com
> follow me on twitter at http://twitter.com/mayorwalling
>
> <Flint Mayor Water Request.pdf>

From: Lyon, Nick (DCH)
Sent: Monday, September 28, 2015 8:00 PM
To: Muchmore, Dennis (GOV)
Cc: Hollins, Harvey (GOV); Wyant, Dan (DEQ); Lasher, Geralyn (DCH); Eden Wells; Hertel, Elizabeth (DCH)
Subject: Re: Governor's Assistance

Could one of you send me the letter? Thank you.

On Sep 28, 2015, at 6:04 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Representative-
>
> We're setting up a meeting with you, Harvey Hollins, Nick Lyon and Dan Wyant as soon as possible to make sure you are in the same loop on this as we are. The issues you raise in your letter are similar to the same ones we are raising internally ourselves. Lead is not an acceptable risk in any event, however lead content pipes are prevalent in older cities throughout Michigan and we'll all have to pool our efforts to work with these pipes now and in the future. Although there are some legitimate questions relating to the conclusions reached by the Hurley folks, they are a city institution and we would have expected them to report and discuss those concerns with city leadership so that the city could act, but that is a different subject.
>
> Whenever you are available we'll do our best to schedule and come over and meet with you.
>
> ---
>
> **From:** Rep. Sheldon Neeley (District 34) [mailto:SheldonNeeley@house.mi.gov]
> **Sent:** Monday, September 28, 2015 5:44 PM
> **To:** GovernorsOffice <[redacted]; Snyder, Rick (GOV) <[redacted]>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>
> **Subject:** Governor's Assistance
>
> Please see attached letter.

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 14, 2015 11:17 PM
To: Muchmore, Dennis (GOV)
Subject: Re: Teamwork and cooperation

Chief--I hear you, but I consider Phelps lawsuit and Ananich's rhetoric to be just as incendiary. Sheldon is frustrated. He reached out to DEQ early before all this broke and was blown off. He sent a letter to DHHS and got no response when he was told that they would get back with him by Tuesday this week. Ananich has met with the Governor, to my knowledge he hasn't on this issue. Ananich has had meetings the each of the Directors at issue a few times, he hasn't and his district is the city of Flint. While I do not like his approach with MSP on high speed chases, on this issue he has been more reasonable than most.

On Oct 14, 2015, at 3:52 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Great, we try to plug him in and now he throws us under the bus.
>
> ---
>
> **From:** Rep. Sheldon Neeley (District 34) [mailto:SheldonNeeley@house.mi.gov]
> **Sent:** Wednesday, October 14, 2015 3:33 PM
> **To:** Snyder, Rick (GOV) [redacted]
> **Cc:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Lyon, Nick (DHHS) <LyonN2@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Wyant, Dan (DEQ) <WyantD@michigan.gov>
> **Subject:** Teamwork and cooperation
>
> Honorable Rick Snyder, Governor
> State of Michigan
>
> Dear Gov. Snyder,
>
> I'm writing to voice my displeasure with the lack of communication between your office and mine concerning the water crisis in the city of Flint.
>
> Since I have been in a position to represent my community at the Capitol, I have been in constant contact with your office to offer advice, help, partnership and solutions. My community elected me to represent them in Lansing, and I have been striving to do just that. Several letters have reached your office, and I have been highly vocal about the need to come together to fix the water crisis. This has been done with the understanding that we both care about the people of Flint, who I represent in the Legislature, and who you represent as governor of this state.
>
> I have also reached out to Dr. Eden Wells and the Department of Health and Human Services and the Michigan Department of Environmental Quality to be proactive in addressing the issue of lead-laced water damaging the minds and bodies of Flint's citizens, especially the children. While this crisis could be solved by switching water sources, the problems will remain in the health of our future generation.
>
> I had hoped that this entire problem would have been addressed through partnership, teamwork and cooperation. It is unfortunate that hasn't been the case. It is also unfortunate that common courtesy to my office on being kept up to speed with any operational changes and financial solutions has not been timely communicated.

I will continue to keep the lines of communication open as we address the continued problem of health in Flint, and I hope you will take the opportunity to join me in conversation to find future solutions.

For the Love of the Community,

Sheldon A. Neeley, State Representative
34th District

CC: Dennis Muchmore
Nick Lyons
Dan Wyant
Dr. Eden Wells
Harvey Hollins

From: Rep. Sheldon Neeley (District 34) <SheldonNeeley@house.mi.gov>
Sent: Thursday, November 12, 2015 10:42 AM
To: Snyder, Rick (GOV)
Cc: Muchmore, Dennis (GOV); Hollins, Harvey (GOV)
Subject: City of Flint Restoration
Attachments: Letter to Governor.pdf

Please review the attached letter.

Thank you.

Sheldon

MICHIGAN LEGISLATIVE BLACK CAUCUS

P.o. Box 300361 LANSING, MI 489091 PH: (517) 373-50671 WWW.MICHIGANLBC.ORG

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REp. ERIKA GEISS

REp. SAM SINGH

REp. ALBERTA TINSLEy-TALABI

November 12, 2015

The Honorable Rick Snyder
Governor, State of Michigan
George W. Romney Building
111 S. Capitol Avenue
Lansing, Michigan 48933

Dear Governor Snyder:

The Michigan Legislative Black Caucus (MLBC) voted Tuesday to ask that you eliminate the Regional Transition Advisory Board (RTAB) that oversees the city of Flint's finances and operations, and prevents the elected city government from exercising local control.

The RTAB's continued existence denies Flint residents and their duly elected representatives the local control needed to establish and enforce good public policy, and continue to manage the city's finances in a responsible manner. The democratic process is suppressed when elected officials have to constantly seek state approval to implement the programs and policies requested by the constituents.

We recognize that the RTAB serves at your pleasure. Unfortunately, we do not see an end in sight.

Consequently, we are asking that you issue an Order that eliminates the RTAB within the next six months, and allow for an orderly transition of authority back to the locally elected city officials.

Thank you for your attention and consideration in this matter.

Sincerely,

Rep. Sheldon A. Neeley
1 st Vice Chairman,
MLBC

cc: MLBC Officers & Members

From: Rep. Sheldon Neeley (District 34) <SheldonNeeley@house.mi.gov>
Sent: Monday, January 04, 2016 2:24 PM
To: GovernorsOffice; Snyder, Rick (GOV); Muchmore, Dennis (GOV)
Subject: Additional Steps for Flint

Governor Snyder,

In the interest of being sensitive to the unforeseen problems that will affect children of this Flint Water Crisis, I am formally requesting you to forgive the debt balance currently imposed on the Flint Community Schools. I make this request because this school district will have the majority burden of addressing issues relating to the lead intrusion into the blood of children in this school system. There will be untold problems for years to come that will require an already overwhelmed school district to be required to meet the needs of these children who are victims of this disaster.

Respectfully,

Sheldon Neeley
State Representative
34th District

From: Dayne Walling <dwalling@cityofflint.com>
Sent: Friday, October 02, 2015 10:05 AM
To: Snyder, Rick (GOV)
Cc: Muchmore, Dennis (GOV); GovernorsOffice
Subject: Flint Water Followups Early Next Week

Dear Governor,
Thank you for your continued efforts to address the problems with Flint's water and systems. The situation is taking on greater and greater urgency even as we work to respond. I appreciate your willingness to keep all options on the table including Flint returning to Detroit water. I believe this is a necessary step given all of the complications of this past year and what we are still facing.

I spoke with Chief of Staff Muchmore yesterday afternoon. I am requesting that you work with the State Legislature to identify the new funds and financing mechanism that are needed for the switch. That is one essential aspect and we are working on the others and appreciate your team's support on those as well. I would ask for a time for us to talk about this early next week as we are also hoping to meet with DWSD in that timeframe.

Thank you again for the focus and initiatives being put forward today.

Sincerely,
Mayor Walling

--
Dayne Walling
Mayor, City of Flint
City Hall, 1101 S. Saginaw St.
Flint, MI 48502
810-766-7346
mayor@cityofflint.com
www.cityofflint.com
follow me on twitter at http://twitter.com/mayorwalling

From: Muchmore, Dennis (GOV)
Sent: Monday, January 19, 2015 10:13 AM
To: Saxton, Tom (SaxtonT@michigan.gov); Walsh, John (GOV); Hollins, Harvey (GOV)
Subject: FW: Flint Water
Attachments: Mayor Governor Letter Flint Water Jan 18 2015.PDF

Now what?

From: Dayne Walling [mailto:dwalling@cityofflint.com]
Sent: Sunday, January 18, 2015 4:16 PM
To: GovernorsOffice; Snyder, Rick (GOV)
Cc: Joshua Freeman; senjananich@senate.mi.gov; Hollins, Harvey (GOV); Muchmore, Dennis (GOV); Gerald Ambrose
Subject: Flint Water

Dear Governor,

There is nothing more important in Flint right now than fixing the water problems. Attached is a letter outlining a plan with my request for your support. I urge you to work with all of us in the Flint community to implement solutions.

Sincerely,

Mayor Walling

--
Dayne Walling
Mayor, City of Flint
City Hall, 1101 S. Saginaw St.
Flint, MI 48502
810-766-7346
mayor@cityofflint.com
www.cityofflint.com
follow me on twitter at http://twitter.com/mayorwalling

CITY OF FLINT

Dayne Walling
Mayor

January 18, 2015

The Honorable Rick Snyder
Governor, State of Michigan
P.O. Box 30013
Lansing, MI 48909

RE: Flint Water Improvement Plan

Dear Governor Snyder:

On behalf of the Flint community, I am writing to convey serious concerns about water quality and to request your support for my proposed Flint Water Improvement Plan. Access to safe and clean water is a basic human right, and, therefore, policy and budget decisions need to ensure that water is affordable and secure for everyone in Flint and all across Michigan It is essential there is City, State and Federal cooperation to address the challenges here and to meet the needs of vulnerable populations.

The Flint Water Improvement Plan is focused in five areas: safety, quality, access, investment and education. The plan puts safety and quality first because this is fundamental. It is designed to be a sustainable solution for the City of Flint and the community as we move towards a new permanent water supply from Lake Huron through the Karegnondi Water Authority. My plan offers new ideas and also builds on successful models of utility, energy and assistance programs at the State and Federal levels.

Safety & Quality

- 100% Safety is the standard
- City of Flint reports testing data to the public to assure safety and expands testing sites and frequency
- Bring on experienced river water treatment operational management in the City of Flint

Access

- Announce an amnesty program for Flint water service turn-ons and reduce the turn-on fee
- Develop a revised affordable payment plan policy to encourage customers to return
- Design Federal and State partnership to establish new Drinking Water Emergency Assistance Fund for the elderly and vulnerable families

Investment

- Accelerate water system improvements outlined in the City of Flint Capital Improvement Plan through Federal and State investments
    - State approves City of Flint's Distressed Cities Fund applications

- Federal and State support for replacement or forgiveness of payment to the Drinking Water Revolving Loan Fund due to Flint's status as a distressed community
- Federal and State grants for infrastructure improvements in alignment with the Flint Master Plan

* City Water Department implements budgeted FY15 projects including leak detection, valve repairs, new pipes and meter replacements

Education

* Develop a community partnership with universities to provide household and business customers with information on testing and conservation
* Ongoing partnership with Michigan Department of Human Services, United Way, Salvation Army and community organizations to provide information and water assistance with the Keep the Water Flowing Fund and support services
* Expand youth energy initiative to assist households with conservation and efficiency (piloted in summer 2014 with Northwestern High School students, EcoWorks and Consumers Energy)

It is also critical to restore the public confidence in Flint Water. The implementation of this plan must be accompanied by extensive community engagement including local elected officials. My objective is to work with you and your appointed officials, State Senator Ananich, State Representatives Phelps and Neeley, Congressman Kildee, community groups, businesses, churches, foundations, the Flint City Council, and all of the City of Flint and government personnel.

It is imperative that we communicate better and provide residents more information. I understand representatives from the Michigan Department of Environmental Quality will be joining a public forum this week at City Hall. This engagement going forward is vital so thank you for supporting their efforts. I think this issue of transparency is important for communities all across the State. I recommend a review of the applicable laws and policies and, at a minimum, a new requirement that water testing data be reported publicly no less than quarterly by law in all Michigan communities in Flint's population category.

Thank you for the consideration Governor. There is nothing more important in Flint right now than fixing the water problems. We must work together to identify funds to repair and update the water treatment facilities and city-wide infrastructure and to help those persons without access to clean water so that the entire Flint community has sustainable, safe, secure and affordable water now and into the future. This is an important issue for the state of our State of Michigan and I urge you to work with us to implement solutions.

Sincerely,

Dayne Walling, Mayor
City of Flint

CC: Flint City Council President Joshua Freeman; Congressman Dan Kildee; State Senator Jim Ananich; State Representative Sheldon Neeley; State Representative Phil Phelps; Flint Emergency Manager Jerry Ambrose

From: Muchmore, Dennis (GOV)
Sent: Tuesday, September 15, 2015 5:11 PM
To: Hollins, Harvey (GOV)
Subject: RE: Flint Water Request

No kidding...so is the timing of the legislative support...of course it doesn't help when the clerk fails to file an appeal of the court order in time...

From: Hollins, Harvey (GOV)
Sent: Monday, September 14, 2015 5:59 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Re: Flint Water Request

Chief, Dayne will not have a cake walk to get reelect end. While the need is real, the timing of this request is suspect.

Best,
Harvey

On Sep 14, 2015, at 5:07 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Great, we have a lot of money laying around...
>
> **From:** Dayne Walling [mailto:dwalling@cityofflint.com]
> **Sent:** Monday, September 14, 2015 4:17 PM
> **To:** GovernorsOffice <[redacted]; Snyder, Rick (GOV)
> <[redacted]
> **Cc:** Joshua Freeman <jfreeman@cityofflint.com>; senjananich@senate.mi.gov; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Phil Phelps <philphelps@house.mi.gov>; SheldonNeeley@house.mi.gov; Hedman, Susan <Hedman.susan@epa.gov>; Natasha Henderson <nhenderson@cityofflint.com>
> **Subject:** Flint Water Request
>
> Dear Governor,
> I am renewing my call for additional funding to address Flint's water challenges. While significant progress has been made, with the fiscal stress and pending lawsuits against the City, there is a gap in the funds necessary to meet the adopted capital improvement plan and to respond to new needs with lead pipes. Attached is a letter of request. I thank you in advance for your willingness to review.
>
> Sincerely,
> Mayor Walling
>
> --
> Dayne Walling
> Mayor, City of Flint
> City Hall, 1101 S. Saginaw St.

Flint, MI 48502
810-766-7346
mayor@cityofflint.com
www.cityofflint.com
follow me on twitter at http://twitter.com/mayorwalling

<Flint Mayor Water Request.pdf>

From: Muchmore, Dennis (GOV)
Sent: Monday, September 28, 2015 6:04 PM
To: 'Rep. Sheldon Neeley (District 34)'
Cc: Hollins, Harvey (GOV); Wyant, Dan (DEQ); Lyon, Nick (DCH)
Subject: RE: Governor's Assistance

Representative-

We're setting up a meeting with you, Harvey Hollins, Nick Lyon and Dan Wyant as soon as possible to make sure you are in the same loop on this as we are. The issues you raise in your letter are similar to the same ones we are raising internally ourselves. Lead is not an acceptable risk in any event, however lead content pipes are prevalent in older cities throughout Michigan and we'll all have to pool our efforts to work with these pipes now and in the future. Although there are some legitimate questions relating to the conclusions reached by the Hurley folks, they are a city institution and we would have expected them to report and discuss those concerns with city leadership so that the city could act, but that is a different subject.

Whenever you are available we'll do our best to schedule and come over and meet with you.

From: Rep. Sheldon Neeley (District 34) [mailto:SheldonNeeley@house.mi.gov]
Sent: Monday, September 28, 2015 5:44 PM
To: GovernorsOffice <[redacted] Snyder, Rick (GOV) <[redacted] Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Posthumus, Dick (GOV) <Posthumusd@michigan.gov>
Subject: Governor's Assistance

Please see attached letter.

From: Larry Reynolds <notifications@ohm.basecamphq.com>
Sent: Tuesday, November 03, 2015 12:38 PM
To: Baird, Richard (GOV)
Subject: [Flint Water Advisory Task Force] notes to timeline

Reply ABOVE THIS LINE to add a comment to this message

Project: Flint Water Advisory Task Force
Company: Flint Water

Larry Reynolds posted a new message:
notes to timeline

Friday,Sept 11.Dr. Mona Hanna -Attisha contacted Dr. Lawrence Reynolds with concerns about children's blood levels in light of Mark Edwards, PhD findings. Dr. Mona convened the Hurley Medical Center Research Team. Dr. Reynolds contacted the MDCH Childhood Lead Prevention Program by phone and left data request for Flint EBLLs. Dr. Reynolds also contacted MDEQ staffer who stated MDEQ was waiting for a letter from MDCH ,REGARDING HEALTH ISSUES AND ACTION.

Wednesday ,September 15-DHHS graph for 0-16 yoa children with Flint mailing addresses and ELLs to Dr. Reynolds was discussed with two GCHD Board of Health (GCBOH)members (chair Kay Doer and member Dr. Laura Carravallah)and management staff ~~Mark Valacak--Director , Dr. Gary Johnson~~ Medical Director , and John Henry – Environmental Hygiene- in an informal meeting. The GCBOH chair read the mission of the GCHD aloud.

GCHD Director's response was that staff and resources to access MCIR data registry for lead levels were not available. A new software had been installed and the PDF format required manual extraction for a report to get ELLs ,ages, and addresses. Also, he said it was the City of Flint Department of Public Works's responsibility to issue a health advisory , not the GCHD.

Monday ,September 21- Greater Flint Health Coalition VIEWED PRESENTATION BY Dr. Mona H-A and passed a resolution to requesting a health advisory for the city of Flint. At noon , members of the GFHC met with the mayor-Walling , administrator-Henderson , and the DPW director-Crump , requesting action on the resolutions , the HMC research , and the Virginia Tech research. The response by the administrator was

Flint could not change water sources because of cost .Also, the water leaving the plant meets MDEQ standards

Tuesday ,September 22- Genesee County Medical Society (GCMS) passed a resolution for the same.

Thursday , September 24-In the absence of a response by the City Administration or the Genesee County Health Department, a press conference was called by HMC and GFHC members to advise the community of a health emergency with a presentation of the HMC research by Dr. Mona H-A , followed by remarks by the GCHD Director , Mark Valacak. The city administrator attended. The state continued to dispute the findings.

This message was sent to Chris Kolb, Dana Pulver, Deborah Higgins, Eric Rothstein, Ken Sikkema, Larry Reynolds, Matthew Davis, Michele VanSickle, Rich Baird, and Tracey Poteat.

Stop receiving emails when comments are posted to this message. Prefer plain text emails?

Delivered by Basecamp

From: Madhu Anderson <notifications@ohm.basecamphq.com>
Sent: Wednesday, November 04, 2015 12:20 PM
To: Baird, Richard (GOV)
Subject: [Flint Water Review] Article Regarding EPA Task Force Review

Reply ABOVE THIS LINE to add a comment to this message

Project: Flint Water Review
Company: Flint Water

Madhu Anderson posted a new message:
Article Regarding EPA Task Force Review

http://www.mlive.com/news/flint/index.ssf/2015/11/us_epa_tells_kildee_it_will_ca.html

The EPA Safe Drinking Water Water Task Force will be meeting in Flint on November 10. DEQ is a member of that Task Force as well.

This message was sent to Chris Kolb, Eric Rothstein, Ken Sikkema, Larry Reynolds, Madhu Anderson, Matthew Davis, and Rich Baird.

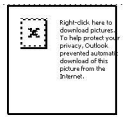
Stop receiving emails when comments are posted to this message. Prefer plain text emails?

Delivered by Basecamp

From: Larry Reynolds <notifications@ohm.basecamphq.com>
Sent: Wednesday, November 04, 2015 3:29 PM
To: Baird, Richard (GOV)
Subject: [Flint Water Advisory Task Force] Al Sharpton group wants new Flint court for possible lead poison victims | MLive.com

Reply ABOVE THIS LINE to add a comment to this message

Project: Flint Water Advisory Task Force
Company: Flint Water



Larry Reynolds posted a new message:
Al Sharpton group wants new Flint court for possible lead poison victims | MLive.com

fyi

http://www.mlive.com/news/flint/index.ssf/2015/11/al_sharpton_group_wants_specia.html

—-

This message was sent by [redacted] via http://addthis.com. Please note that AddThis does not verify email addresses.

Make sharing easier with the AddThis Toolbar: http://www.addthis.com/go/toolbar-em

To stop receiving any emails from AddThis, please visit: http://www.addthis.com/privacy/email-opt-out?e=V6pA8w7cDMFC4gPBB8dC9AbDC8YNxxuVNtQR9kLzDccB0ECVXuBVh...

This message was sent to Chris Kolb, Dana Pulver, Deborah Higgins, Eric Rothstein, Ken Sikkema, Larry Reynolds, Matthew Davis, Michele VanSickle, Rich Baird, and Tracey Poteat.

Stop receiving emails when comments are posted to this message. Prefer plain text emails?

Delivered by Basecamp

From: Madhu Anderson <notifications@ohm.basecamphq.com>
Sent: Wednesday, November 04, 2015 3:33 PM
To: Baird, Richard (GOV)
Subject: Re: [Flint Water Review] Article Regarding EPA Task Force Review

Reply ABOVE THIS LINE to add a comment to this message

Project: Flint Water Review
Company: Flint Water

Madhu Anderson commented on the message:
Article Regarding EPA Task Force Review

EPA (Office of Water) issued this memorandum yesterday to its Regional Water Division Directors. This guidance memo prospectively clarifies how the EPA will interpret the Lead and Copper Rule corrosion control requirements in a situation such as what happened in Flint, when they made a switch from purchased water to a new source.

Lead and Copper Rule Requirements EPA 3Nov2015.pdf
3.55 MB

This comment was sent to Chris Kolb, Eric Rothstein, Ken Sikkema, Larry Reynolds, Madhu Anderson, Matthew Davis, and Rich Baird.

Stop receiving emails when comments are posted to this message. Prefer plain text emails?

Delivered by Basecamp

From: Larry Reynolds <notifications@ohm.basecamphq.com>
Sent: Thursday, November 05, 2015 9:26 AM
To: Baird, Richard (GOV)
Subject: [Flint Water Advisory Task Force] Listeniing session

Reply ABOVE THIS LINE to add a comment to this message

Project: Flint Water Advisory Task Force
Company: Flint Water

Larry Reynolds posted a new message:
Listeniing session

As of today we have 37 invitees . Location -Mott CHC Auditorium .Can you give possible dates after 530p ,preferably before Thanksgiving ? I cannot do 11/12 , 11/19,or 12/1

This message was sent to Chris Kolb, Dana Pulver, Deborah Higgins, Eric Rothstein, Ken Sikkema, Larry Reynolds, Matthew Davis, Michele VanSickle, Rich Baird, and Tracey Poteat.

Stop receiving emails when comments are posted to this message. Prefer plain text emails?

Delivered by Basecamp

From: Ken Sikkema [ksikkema@pscinc.com]
Sent: Thursday, November 12, 2015 10:05 AM
To: Baird, Richard (GOV)
Cc: Julie Metty Bennett
Subject: Meeting Logistical Support
Attachments: Proposed Services Memo_Flint water task force_11-09-15.docx

Rich:

Please see attached...thanks

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

PSC
PUBLIC SECTOR
CONSULTANTS

MEMORANDUM

To: Rich Baird, Transformation Manager, Office of the Governor

From: Julie Metty Bennett, Senior Vice President, Public Sector Consultants

Date: November 10, 2015

Subject: Professional Services for the Flint Water Task Force

COMMENTS:

Per the phone conversation between Rich Baird and Ken Sikkema on November 6, 2015, this memo will formalize the work PSC will perform for the Office of the Governor.

Public Sector Consultants (PSC) will provide meeting space and note taking services for the Flint Water Task Force. PSC services will be provided at the rate of $400 per meeting. Invoices will be sent directly to Rich Baird.

We look forward to working with you on this project.

Public Sector Consultants Inc.
230 N. Washington Sq., Suite 300
Lansing, MI 48933
(517) 484-4954
(517) 484-6549 Fax
www.pscinc.com

Letter of Agreement

I have read the memo for Professional Services for the Flint Water Task Force submitted by Public Sector Consultants Inc. on November 10, 2015. I agree that the Office of the Governor will pay for the products and services described in this document for a flat fee of $400 per meeting of the Flint Water Task Force; this amount shall be payable monthly. PSC will provide a monthly invoice for the fee, with a summary of services performed. The project will begin on receipt of this signed agreement. This price shall remain in effect for 60 days.

This agreement may be amended only by written permission from both parties and becomes effective upon their authorized signatures.

The Office of the Governor owns the final product and supportive work, but may not release to the public excerpted or modified portions of the final product without the approval of PSC. When PSC assures interviewees of confidentiality and/or anonymity, PSC will not attribute comments, opinions, or perceptions to specific individuals.

Services and/or products not included in this agreement shall be provided by Public Sector Consultants Inc. to the Office of the Governor on a time-and-materials basis at rates mutually agreed on.

Please sign and return one copy to Public Sector Consultants Inc., 230 N. Washington Sq., Suite 300, Lansing, MI 48933. Please retain one copy for your files.

Office of the Governor	For Public Sector Consultants Inc.
_____	_____
Richard Baird	Julie Metty Bennett
_____	Senior Vice President
Title	Title
_____	November 10, 2015
Date	Date

Public Sector Consultants Inc.
230 N. Washington Sq., Suite 300
Lansing, MI 48933
(517) 484-4954
(517) 484-6549 Fax
www.pscinc.com

From: Adamczyk, Lynne (GOV)
Sent: Wednesday, November 18, 2015 3:10 PM
To: Baird, Richard (GOV)
Subject: RE: Don Cummings Meeting

FYI – Nick has an opportunity to speak at the GR Chamber at 1:30 that day, so Maureen asked if 11:30 – 12:30 would be OK. You have Flint Water Task Force until 11:30, so I told her you *may* be a little late.

From: Baird, Richard (GOV)
Sent: Wednesday, November 18, 2015 2:31 PM
To: Adamczyk, Lynne (GOV) <adamczykl@michigan.gov>
Subject: RE: Don Cummings Meeting

I'm ok with Clara's. I may be getting Troppo'ed out...

From: Adamczyk, Lynne (GOV)
Sent: Wednesday, November 18, 2015 11:47 AM
To: Baird, Richard (GOV)
Subject: Don Cummings Meeting

Rich,

We are looking at 12/02 for a lunch meeting, noon – 1 PM, in Lansing. Do you have a restaurant preference? Nick's Admin suggested Clara's possibly, farther from downtown. I know you like Troppo's.

Lynne Adamczyk
Executive Assistant
Office of Governor Rick Snyder
517-373-3400 (o)
[redacted](d)
adamczykl@michigan.gov

From: Bedan, Morgan (GOV)
Sent: Monday, November 23, 2015 10:07 AM
To: Baird, Richard (GOV)
Subject: Flint After Action Call Tomorrow

Beth asked that I reach out to you to see if 4:30 or 4:45 worked for the call you discussed in Senior Staff. Please let me know who else will be on the call.

Thank you!

From: Bedan, Morgan (GOV)
Sent: Monday, November 23, 2015 2:44 PM
To: Baird, Richard (GOV)
Subject: RE: Flint After Action Call Tomorrow

Thank you – do we need any briefing material?

From: Baird, Richard (GOV)
Sent: Monday, November 23, 2015 2:35 PM
To: Bedan, Morgan (GOV) <BedanM@michigan.gov>
Subject: Re: Flint After Action Call Tomorrow

They are getting back to me. Likely Ken Sikkema and Chris Kolb and Eric Rothstein.

Sent from my Verizon Wireless 4G LTE DROID
On Nov 23, 2015 10:06 AM, "Bedan, Morgan (GOV)" <BedanM@michigan.gov> wrote:

> Beth asked that I reach out to you to see if 4:30 or 4:45 worked for the call you discussed in Senior Staff. Please let me know who else will be on the call.
>
> Thank you!

From: Bedan, Morgan (GOV)
Sent: Tuesday, November 24, 2015 9:59 AM
To: [redacted]
Cc: Baird, Richard (GOV)
Subject: Flint After Action Conference Call with Governor - Today at 4:30 PM

Importance: High

Good morning,

The Governor asked that we schedule a conference call with the Flint Water Task Force members this afternoon at 4:30 PM. Below is the call in number, please confirm your participation on the call.

[redacted]

Thank you,

Morgan Bedan

Deputy Director of Scheduling
Executive Office of Governor Rick Snyder
[redacted]
bedannm@michigan.gov

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Tuesday, November 24, 2015 11:26 AM
To: Bedan, Morgan (GOV)
Cc: mattdav@med.umich.edu; chris@environmentalcouncil.org; erothste@grg-ltd.com; reynolds@mottchc.org; higginsd@mottchc.org; Baird, Richard (GOV)
Subject: Re: Flint After Action Conference Call with Governor - Today at 4:30 PM

I will be on...thank you.

Ken

On Tue, Nov 24, 2015 at 9:59 AM, Bedan, Morgan (GOV) <BedanM@michigan.gov> wrote:

Good morning,

The Governor asked that we schedule a conference call with the Flint Water Task Force members this afternoon at 4:30 PM. Below is the call in number, please confirm your participation on the call.

[redacted]

[redacted]

Thank you,

Morgan Bedan

Deputy Director of Scheduling

Executive Office of Governor Rick Snyder

517-373-0504

bedanm@michigan.gov

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Tuesday, November 24, 2015 12:46 PM
To: Chris Kolb; Eric Rothstein; Matt Davis; Lawrence Reynolds; Baird, Richard (GOV)
Subject: Conference Call With Governor

All:

As you know, we have a conference call with the Governor at 4:30pm today...

In a phone conversation with Rich Baird earlier today, he mentioned that he has heard the Task Force has 4 initial items of concern:

1. The lack of unfettered access to individuals with whom we need to meet.

2. The lack of one individual or entity who has the responsibility to coordinate and marshal resources to respond to the ongoing situation in Flint.

3. The proposed letter requesting the deployment of the resources of the Office of Emergency Preparedness and Response for additional testing of blood lead levels in Flint children.

4. The apparent culture of "technical compliance" as a regulatory approach in the Safe Drinking Water Division at DEQ.

Given the limited time we have with the Governor, I suggest we focus on the first 3 and leave the last one for another day. Although my take-away from our meeting with the DEQ is consistent with #4 above, I would characterize it as an initial impression and one that needs to be explored a bit further.

Everyone should feel free to weigh in where they want, but Eric, I hope you will emphasize #1, Matt #3, and Chris--you or I--#2.

Just my suggestion as a way to organize our conversation a bit...open to other thoughts as we proceed.

Ken

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: Eric Rothstein [redacted]
Sent: Wednesday, November 25, 2015 10:24 AM
To: Ken Sikkema; Baird, Richard (GOV); Chris Kolb; Laurence Reynolds; Matthew M. Davis
Subject: Flint Water Staff to Interview

Ken,

This may be redundant but just in case, my thoughts on staff interviewees include:

M. Glasgow
B Wright
H. Croat

AND

W. Green from LAN Engineering

Have a great holiday. We are back in Chicago on Friday and I'm working on weekend so don't hesitate to call/ e-mail.

Sent from my iPhone

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Wednesday, November 25, 2015 10:30 AM
To: Saxton, Thomas (Treasury)
Cc: Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force Interviews in FIlint
Attachments: Flint Water Advisory Task Force Letter.pdf

Tom:

Just got off the phone with Rich Baird regarding our desire to interview individuals in Flint who had/have responsibility for various aspects of managing the Flint Treatment Plant or responsibility in the Department of Public Works. The attached letter lists the initial list prepared by Eric Rothstein, It is essential that we have unfettered and unrestricted access to these individuals.

Thank you for your assistance.

Ken

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

Flint Water Advisory Task Force

November 12, 2015

Ms. Karen Weaver, Mayor
Ms. Natasha Henderson, City Administrator
City Hall
1101 S. Saginaw St.
Flint, MI 48502

Dear Mayor Weaver and Administrator Henderson:

As you are aware, Governor Snyder has appointed a Flint Water Advisory Task Force to review what led to the problem of high lead levels in drinking water, review the related regulatory framework, and make appropriate recommendations to prevent reoccurrence in Flint or elsewhere in Michigan. Members of the Task Force are Dr. Lawrence Reynolds, Dr. Matthew Davis, Eric Rothstein, Chris Kolb, and Ken Sikkema.

As part of our review, we would like to talk with appropriate individuals who are or were responsible for Flint Water Treatment Plant operations and capital planning during the past few years. We think these discussions are important for us to understand how the source water conversion was planned and implemented, how challenges in treating water from the Flint River were managed, and how water quality in the distribution system was monitored and addressed.

Individuals we would like to meet with include (1) Howard Croft, (2) DPW Staff – Daugherty Johnson, Brent Wright, Mike Glasgow and (3) Warren Green with the LAN engineering firm. We are requesting your assistance in securing the availability of these individuals in the afternoon of Monday, November 23 or anytime on Tuesday, November 24. If preferable, we can contact these individuals directly for scheduling purposes and would request your assistance in ensuring this scheduling is appropriately prioritized.

Please feel free to contact us through email or by telephone. Thank you for your assistance and cooperation in this important matter.

Sincerely,

Chris Kolb
chris@environmentalcouncil.org
517-487-9539

Ken Sikkema
ksikkema@pscinc.com
517-484-4954

Cc: Dr. Lawrence Reynolds
Dr. Matthew Davis
Eric Rothstein

From: Ken Sikkema [redacted]
Sent: Wednesday, November 25, 2015 10:35 AM
To: Eric Rothstein
Cc: Baird, Richard (GOV); Chris Kolb; Laurence Reynolds; Matthew M. Davis
Subject: Re: Flint Water Staff to Interview

Eric, et al:

Just got off phone with Rich Baird...Treasury will contact City Administrator Henderson and insist that we--you--have unfettered, unrestricted, and unsupervised access to any individual with whom we wish to meet..

I just sent email to Tom Saxton at Treasury and attached our original letter to Henderson, which identifies those individuals...I think it lists all of the ones you mentioned above...I'm guessing you want the ability to call them directly?

Ken

On Wed, Nov 25, 2015 at 10:23 AM, Eric Rothstein [redacted] wrote:
Ken,

This may be redundant but just in case, my thoughts on staff interviewees include:

M. Glasgow
B Wright
H. Croat

AND

W. Green from LAN Engineering

Have a great holiday. We are back in Chicago on Friday and I'm working on weekend so don't hesitate to call/e-mail.

Sent from my iPhone

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]

From: Chris Kolb [redacted]
Sent: Wednesday, November 25, 2015 10:42 AM
To: Ken Sikkema; Eric Rothstein; Baird, Richard (GOV); Matt Davis; Lawrence Reynolds
Subject: Fwd: Request from the Flint Water Advisory Task Force
Attachments: Flint Water Advisory Task Force Letter.pdf

Here is what I just got from Natasha Henderson:

---------- Forwarded message ----------
From: **Natasha Henderson** [redacted]
Date: Wed, Nov 25, 2015 at 10:35 AM
Subject: Fwd: Request from the Flint Water Advisory Task Force
To: Michael Glasgow [redacted], Brent Wright [redacted]
Cc: Chris Kolb [redacted], "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Saxton, Thomas (Treasury)" <saxtont@michigan.gov>

Hello Mike,

Please schedule a meeting with yourself and Brent to speak with the Advisory Task Force. I will not be present for the meetings, and the meetings will be one on one. The Task Force is evaluating the water situation so this will not be very formal.

Hope you have a Happy Thanksgiving!

Thanks,

Natasha L. Henderson, City Administrator
1101 S. Saginaw St.
Flint, MI
Email: [redacted]
Phone: (810) 237-2057
www.cityofflint.com

---------- Forwarded message ----------
From: "Chris Kolb" [redacted]
Date: Nov 19, 2015 11:18 AM
Subject: Request from the Flint Water Advisory Task Force
To: "Natasha Henderson" [redacted]
Cc:

Natasha,

Attached is a letter we sent to your and the Mayor's attention last Friday. I wondered if you had had a chance to help with our request. We have several members who are available next Monday and Tuesday to meet with the requested individuals in Flint.

Thank you for your assistance in this matter.

Sincerely,

Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted](cell)

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--

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Flint Water Advisory Task Force

November 12, 2015

Ms. Karen Weaver, Mayor
Ms. Natasha Henderson, City Administrator
City Hall
1101 S. Saginaw St.
Flint, MI 48502

Dear Mayor Weaver and Administrator Henderson:

As you are aware, Governor Snyder has appointed a Flint Water Advisory Task Force to review what led to the problem of high lead levels in drinking water, review the related regulatory framework, and make appropriate recommendations to prevent reoccurrence in Flint or elsewhere in Michigan. Members of the Task Force are Dr. Lawrence Reynolds, Dr. Matthew Davis, Eric Rothstein, Chris Kolb, and Ken Sikkema.

As part of our review, we would like to talk with appropriate individuals who are or were responsible for Flint Water Treatment Plant operations and capital planning during the past few years. We think these discussions are important for us to understand how the source water conversion was planned and implemented, how challenges in treating water from the Flint River were managed, and how water quality in the distribution system was monitored and addressed.

Individuals we would like to meet with include (1) Howard Croft, (2) DPW Staff – Daugherty Johnson, Brent Wright, Mike Glasgow and (3) Warren Green with the LAN engineering firm. We are requesting your assistance in securing the availability of these individuals in the afternoon of Monday, November 23 or anytime on Tuesday, November 24. If preferable, we can contact these individuals directly for scheduling purposes and would request your assistance in ensuring this scheduling is appropriately prioritized.

Please feel free to contact us through email or by telephone. Thank you for your assistance and cooperation in this important matter.

Sincerely,

Chris Kolb
chris@environmentalcouncil.org
517-487-9539

Ken Sikkema
ksikkema@pscinc.com
517-484-4954

Cc: Dr. Lawrence Reynolds
Dr. Matthew Davis
Eric Rothstein

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Wednesday, November 25, 2015 10:53 AM
To: Chris Kolb
Cc: Eric Rothstein; Baird, Richard (GOV); Matt Davis; Lawrence Reynolds
Subject: Re: Request from the Flint Water Advisory Task Force

Eric:

It appears you have been unleashed...

Ken

On Wed, Nov 25, 2015 at 10:41 AM, Chris Kolb <chris@environmentalcouncil.org> wrote:
Here is what I just got from Natasha Henderson:

---------- Forwarded message ----------
From: **Natasha Henderson** <nhenderson@cityofflint.com>
Date: Wed, Nov 25, 2015 at 10:35 AM
Subject: Fwd: Request from the Flint Water Advisory Task Force
To: Michael Glasgow <mglasgow@cityofflint.com>, Brent Wright <bwright@cityofflint.com>
Cc: Chris Kolb <chris@environmentalcouncil.org>, "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Saxton, Thomas (Treasury)" <saxtont@michigan.gov>

Hello Mike,

Please schedule a meeting with yourself and Brent to speak with the Advisory Task Force. I will not be present for the meetings, and the meetings will be one on one. The Task Force is evaluating the water situation so this will not be very formal.

Hope you have a Happy Thanksgiving!

Thanks,

Natasha L. Henderson, City Administrator
1101 S. Saginaw St.
Flint, MI
Email: nhenderson@cityofflint.com
Phone: (810) 237-2057
www.cityofflint.com

---------- Forwarded message ----------
From: "Chris Kolb" <chris@environmentalcouncil.org>
Date: Nov 19, 2015 11:18 AM
Subject: Request from the Flint Water Advisory Task Force
To: "Natasha Henderson" <nhenderson@cityofflint.com>

Cc:

Natasha,

Attached is a letter we sent to your and the Mayor's attention last Friday. I wondered if you had had a chance to help with our request. We have several members who are available next Monday and Tuesday to meet with the requested individuals in Flint.

Thank you for your assistance in this matter.

Sincerely,

Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted] (cell)

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--

Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

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www.twitter.com/michenvcouncil

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: Saxton, Thomas (Treasury)
Sent: Wednesday, November 25, 2015 1:05 PM
To: Ken Sikkema
Cc: Baird, Richard (GOV); Workman, Wayne (TREASURY)
Subject: RE: Flint Water Advisory Task Force Interviews in Fllint
Attachments: Fwd: Request from the Flint Water Advisory Task Force

Ken,
Wayne and I spoke to Natasha this morning. She is on vacation. We delivered the message quite clearly and she should understand now that the Task Force is to have open access to key City individuals. Further, we indicated she does not need to be nor should she be present during those conversations. (See attached.) I did not have your list at the time of the conversation with her; my understanding is one of the individuals may no longer be engaged with the City. The bottom line is, if you still are having trouble reaching or talking to people, just let us know and we will follow up.

From: Ken Sikkema [mailto:ksikkema@pscinc.com]
Sent: Wednesday, November 25, 2015 10:30 AM
To: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Cc: Baird, Richard (GOV) <bairdr@michigan.gov>
Subject: Flint Water Advisory Task Force Interviews in Fllint

Tom:

Just got off the phone with Rich Baird regarding our desire to interview individuals in Flint who had/have responsibility for various aspects of managing the Flint Treatment Plant or responsibility in the Department of Public Works. The attached letter lists the initial list prepared by Eric Rothstein, It is essential that we have unfettered and unrestricted access to these individuals.

Thank you for your assistance.

Ken

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: Natasha Henderson <nhenderson@cityofflint.com>
Sent: Wednesday, November 25, 2015 10:35 AM
Subject: Fwd: Request from the Flint Water Advisory Task Force
Attachments: Flint Water Advisory Task Force Letter.pdf

Hello Mike,

Please schedule a meeting with yourself and Brent to speak with the Advisory Task Force. I will not be present for the meetings, and the meetings will be one on one. The Task Force is evaluating the water situation so this will not be very formal.

Hope you have a Happy Thanksgiving!

Thanks,

Natasha L. Henderson, City Administrator
1101 S. Saginaw St.
Flint, MI
Email: nhenderson@cityofflint.com
Phone: (810) 237-2057
www.cityofflint.com

---------- Forwarded message ----------
From: "Chris Kolb" <chris@environmentalcouncil.org>
Date: Nov 19, 2015 11:18 AM
Subject: Request from the Flint Water Advisory Task Force
To: "Natasha Henderson" <nhenderson@cityofflint.com>
Cc:

Natasha,

Attached is a letter we sent to your and the Mayor's attention last Friday. I wondered if you had had a chance to help with our request. We have several members who are available next Monday and Tuesday to meet with the requested individuals in Flint.

Thank you for your assistance in this matter.

Sincerely,

Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted] (cell)

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Flint Water Advisory Task Force

November 12, 2015

Ms. Karen Weaver, Mayor
Ms. Natasha Henderson, City Administrator
City Hall
1101 S. Saginaw St.
Flint, MI 48502

Dear Mayor Weaver and Administrator Henderson:

As you are aware, Governor Snyder has appointed a Flint Water Advisory Task Force to review what led to the problem of high lead levels in drinking water, review the related regulatory framework, and make appropriate recommendations to prevent reoccurrence in Flint or elsewhere in Michigan. Members of the Task Force are Dr. Lawrence Reynolds, Dr. Matthew Davis, Eric Rothstein, Chris Kolb, and Ken Sikkema.

As part of our review, we would like to talk with appropriate individuals who are or were responsible for Flint Water Treatment Plant operations and capital planning during the past few years. We think these discussions are important for us to understand how the source water conversion was planned and implemented, how challenges in treating water from the Flint River were managed, and how water quality in the distribution system was monitored and addressed.

Individuals we would like to meet with include (1) Howard Croft, (2) DPW Staff – Daugherty Johnson, Brent Wright, Mike Glasgow and (3) Warren Green with the LAN engineering firm. We are requesting your assistance in securing the availability of these individuals in the afternoon of Monday, November 23 or anytime on Tuesday, November 24. If preferable, we can contact these individuals directly for scheduling purposes and would request your assistance in ensuring this scheduling is appropriately prioritized.

Please feel free to contact us through email or by telephone. Thank you for your assistance and cooperation in this important matter.

Sincerely,

Chris Kolb
chris@environmentalcouncil.org
517-487-9539

Ken Sikkema
ksikkema@pscinc.com
517-484-4954

Cc: Dr. Lawrence Reynolds
Dr. Matthew Davis
Eric Rothstein

From: Saxton, Thomas (Treasury)
Sent: Wednesday, November 25, 2015 1:08 PM
To: Ken Sikkema; Baird, Richard (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: FW: Request from the Flint Water Advisory Task Force

I just sent you an email... this should supplement/update what I sent

From: Michael Glasgow [mailto:mglasgow@cityofflint.com]
Sent: Wednesday, November 25, 2015 1:05 PM
To: Chris Kolb <chris@environmentalcouncil.org>
Cc: Natasha Henderson <nhenderson@cityofflint.com>; Brent Wright <bwright@cityofflint.com>; Workman, Wayne (TREASURY) <WorkmanW@michigan.gov>; Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>
Subject: Re: Request from the Flint Water Advisory Task Force

Chris,

I can make myself available Monday afternoon or later Tuesday afternoon to meet. I believe Brent will be available at these times as well. If these times are not convenient for you, let me know what works best for you and we will try to adjust our schedules accordingly.

Sincerely,

On Wed, Nov 25, 2015 at 10:35 AM, Natasha Henderson <nhenderson@cityofflint.com> wrote:

> Hello Mike,
>
> Please schedule a meeting with yourself and Brent to speak with the Advisory Task Force. I will not be present for the meetings, and the meetings will be one on one. The Task Force is evaluating the water situation so this will not be very formal.
>
> Hope you have a Happy Thanksgiving!
>
> Thanks,
>
> Natasha L. Henderson, City Administrator
> 1101 S. Saginaw St.
> Flint, MI
> Email: nhenderson@cityofflint.com
> Phone: (810) 237-2057
> www.cityofflint.com
>
> ---------- Forwarded message ----------
> From: "Chris Kolb" <chris@environmentalcouncil.org>
> Date: Nov 19, 2015 11:18 AM
> Subject: Request from the Flint Water Advisory Task Force

To: "Natasha Henderson" <nhenderson@cityofflint.com>
Cc:

Natasha,

Attached is a letter we sent to your and the Mayor's attention last Friday. I wondered if you had had a chance to help with our request. We have several members who are available next Monday and Tuesday to meet with the requested individuals in Flint.

Thank you for your assistance in this matter.

Sincerely,

Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted](cell)

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www.twitter.com/michenvcouncil

--
Mike Glasgow
Utilities Administrator
City of Flint
1101 S. Saginaw St.
Flint, MI 48502
(810)766-7135 ext. 2602

From: Etue, Kriste (MSP)
Sent: Thursday, November 26, 2015 10:57 AM
To: Baird, Richard (GOV)
Subject: Fwd: Flint

First before anything... Happy Thanksgiving! (I count my blessings every day and know that I'm thankful for having you in my life.)

Second... Any news on Flint water situation. I have Capt. Kelenske watching this closely. Note his email below.

Sent from my iPhone

Begin forwarded message:

From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: November 25, 2015 at 9:36:44 PM EST
To: "Etue, Kriste (MSP)" <EtueK@michigan.gov>
Cc: "Gorski, Gary (MSP)" <GorskiG@michigan.gov>
Subject: Flint

Col

Thus far we have heard nothing reference to Flint putting an emergency declaration in place. Below is a link to a show called Current State. The new mayor mentions they need a disaster declaration.

http://wkar.org/post/new-flint-mayor-disaster-declaration-key-solving-water-crisis#stream/0

Sent from my iPhone

From: chris@dewitt-communications.com
Sent: Thursday, December 03, 2015 3:26 PM
To: Baird, Richard (GOV)
Subject: Flint proposal
Attachments: FWATF proposal 12-3-15.docx

See attached.

Thanks

Chris De Witt
De Witt Communications
P.O. Box 4952
East Lansing, MI 48826
517-339-1700 office
[redacted] cell

De Witt Communications

December 3, 2015

TO: Rich Baird

FR: Chris De Witt

RE: Flint Water Advisory Task Force

Thank you for requesting a proposal from De Witt Communications to provide communication consulting services for the Flint Water Advisory Task Force (FWATF).

De Witt Communications will provide services outlined below in the "Scope of Work". Consultant will devote such business efforts and time as is reasonably required to fulfill the outlined services. It is anticipated that the Consultant will devote a minimum of 60 hours per month to this project.

Scope of Work

De Witt Communications proposes to assist the FWATF in the following:

1. Development and coordinating of overall strategic messaging
2. Serve as media contact and spokesperson
3. Assist in the writing and distribution of documents such as reports and press releases
4. Attend meetings, conferences and interviews
5. Coordinate media information distribution
6. Media Training as needed
7. Editorial Board meeting coordination
8. Assist with Community Forums
9. Develop and maintain media contact information
10. Press conference preparation and implementation

Other items may be added to the "Scope of Work" if all parties agree.

Retainer information:

Project time frame: December 2015 – February 15, 2016

Project retainer: $25,000

Payment Schedule: To be determined

Mailing address: De Witt Communications, P.O. Box 4952 East Lansing, MI 48826

Email address: chris@dewitt-communications.com

Phone: 517-339-1700 (office) [redacted] (cell)

If you have any questions on any of the above items, please contact me.

Again, thank you for this opportunity to assist the Flint Water Advisory Task Force.

From: Lyon, Nick (DHHS)
Sent: Friday, December 04, 2015 10:29 AM
To: Baird, Richard (GOV)
Subject: FW: Call with Matt Davis

From: Moran, Susan (DHHS)
Sent: Thursday, December 03, 2015 4:42 PM
To: Lyon, Nick (DHHS) <LyonN2@michigan.gov>; Becker, Timothy (DHHS) <beckert1@michigan.gov>; Lasher, Geralyn (DHHS) <lasherg@michigan.gov>
Cc: Grijalva, Nancy (DHHS) <GrijalvaN@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>
Subject: Call with Matt Davis

We had a great call with Matt, overall seemed very supportive of our recent efforts and intends to modify the letter to the Governor based on actions taken by MDHHS.

Highlights from our discussion:

- VERY PLEASED with today's release of information regarding lead testing
- Matt supportive of our ICS-like structure (with project managed by Division of Environmental Health) – very much in line with centralized coordination and communication
- Agrees with our proposal to use Medicaid population denominator as proxy for measuring progress in accelerating lead testing efforts
- VERY pleased with the efforts to partner with, engage Medicaid Health Plans in the public health response
- Had some suggestions for using MCIR as a tool to link children and their school districts to determine potential lead exposure
- Agrees there is lack of consensus among community providers about testing infants, but Eden/Sue/Matt agree that there must be a risk assessment for lead exposure from water, infants are at highest risk for adverse effects.

Please let me know if you have questions.

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Friday, December 04, 2015 11:41 AM
To: Baird, Richard (GOV)
Subject: Draft Letter
Attachments: KRS version of Snyder Letter.docx

FYI

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

Dear Governor Snyder:

On Wednesday, November 18, 2015, the Flint Water Advisory Task Force met with several members of the Michigan Department of Health and Human Services (MDHHS) to discuss elements of the 10-point Action Plan designed to address various issues related to the recent occurrence of elevated levels of lead in the Flint water supply. This discussion was held at our request as part of our task to make recommendations to prevent a similar occurrence in Flint or elsewhere, and also to monitor ongoing mitigation efforts. We also met with staff of the Michigan Department of Environmental Quality (MDEQ) on that same day, but at a separate meeting.

Subsequent to those meetings, on Tuesday, November 24, 2015, members of the Task Force participated in a conference call with yourself and several members of the Administration to discuss the progress to date on the 10-point Action Plan, as well as several other related issues.

We want to acknowledge the steps that have already been taken to implement the action plan, specifically in the areas of outreach efforts to facilitate blood lead testing for children, communication with health care providers in the Flint community about the importance of testing children for lead, and the training of additional public health nurses in the Genesee County Health Department. We do believe, however, that additional steps need to be taken to reach additional children for blood lead testing, assure proper follow-up with children found to have elevated blood lead levels, and to continue water testing, given the potential for disruption of the lining of lead service lines. We will continue to assess state efforts and make recommendations regarding specific steps that we believe are warranted.

One primary concern we have at this point is that the current efforts appear to be taking place in the absence of a larger framework which measures results and the impact of these efforts. We believe this larger framework should address the following:

1. The need for MDHHS and MDEQ—and, possibly, other state agencies--to set **goals** for actions in collaboration with local and federal agencies and organizations.
2. The need for a set of corresponding **timelines** for the goals.
3. The need to establish **responsibility** for meeting the goals in a timely fashion and for **contingency plans** for the state if the goals are not being met.
4. The need for clear, regular **communication** with the Flint community and stakeholder groups regarding action steps and updates.

We also believe it important that a single person or entity—independent of any one particular state agency—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood “dashboard” should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard.

We believe it is vitally important that trusted members of the Flint community be engaged in communication on this issue, as well as the distribution of information conveyed by our suggested dashboard reporting. Accordingly, in advance of our final report, we would like to ensure the independent coordinator suggested above engage trusted community groups to begin rebuilding community trust in state actions.

We appreciate your personal interest in this issue, commitment to assisting the Task Force in our review, and—most importantly—commitment to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully yours,

Flint Water Advisory Task Force

From: Manolakoudis, Virginia (GOV)
Sent: Monday, December 07, 2015 4:26 PM
To: Baird, Richard (GOV)
Subject: RE: Flint Water Advisory Task Force Recommendation

Hi Rich,

I faxed a copy of this document to both Dan Wyant and Nick Lyon. Did you also say to email the document as an attachment?

Thanks!
Virginia

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 3:49 PM
To: Manolakoudis, Virginia (GOV) <ManolakoudisV@michigan.gov>
Subject: FW: Flint Water Advisory Task Force Recommendation

From: Ken Sikkema [redacted]
Sent: Monday, December 07, 2015 3:31 PM
To: Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein; Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force Recommendation

Dear Governor Snyder:

We want to thank you for the recent conference call between members of the Flint Water Advisory Task Force (FWATF), yourself, and members of your administration. Attached is a follow-up letter to that conference call outlining an initial set of recommendations that we believe should be implemented in the very near future to focus the state's efforts to protect the public health in Flint.

We both acknowledge and appreciate your personal interest in this issue and your commitment, not only to assisting the Task Force in our review, but--most importantly--to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully,

Ken Sikkema

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]

From: Murray, David (GOV)
Sent: Monday, December 07, 2015 4:47 PM
To: Baird, Richard (GOV)
Subject: RE: Flint Water Advisory Task Force Recommendation

Hi Rich,

Do you know if this is something that the task force is considering releasing to the public? I think it would be more appropriate coming from them than us, and would reinforce that the task force is an independent body.

Darin said Sen. Ananich asked if the task force was releasing a report today. I'm guessing he meant this letter.

Thanks!

Dave

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 4:05 PM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: FW: Flint Water Advisory Task Force Recommendation

fyi

From: Ken Sikkema [redacted]
Sent: Monday, December 07, 2015 3:31 PM
To: Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein; Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force Recommendation

Dear Governor Snyder:

We want to thank you for the recent conference call between members of the Flint Water Advisory Task Force (FWATF), yourself, and members of your administration. Attached is a follow-up letter to that conference call outlining an initial set of recommendations that we believe should be implemented in the very near future to focus the state's efforts to protect the public health in Flint.

We both acknowledge and appreciate your personal interest in this issue and your commitment, not only to assisting the Task Force in our review, but--most importantly--to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully,

Ken Sikkema

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]

From: Chris De Witt <chris@dewitt-communications.com>
Sent: Wednesday, December 09, 2015 11:05 AM
To: Ken Sikkema; Chris Kolb; reynolds@mottchc.org; mattdav@med.umich.edu; erothste@grg-ltd.com; Baird, Richard (GOV)
Subject: 50 years later: Ghosts of corruption still linger along old path of failed Flint water pipeline | MLive.com

http://www.mlive.com/news/flint/index.ssf/2012/11/ghosts_of_corruption_still_lin.html

Chris De Witt
De Witt Communications
P.O. Box 4952
East Lansing, MI 48826
517-339-1700 office
[redacted] cell

From: Reynolds, Lawrence <LawrenceR@mottchc.org>
Sent: Wednesday, December 09, 2015 4:06 PM
To: Anderson, Madhu (DEQ)
Cc: Chris Kolb; ksikkema@pscinc.com; mattdav@med.umich.edu; erothste@grg-ltd.com; Wyant, Dan (DEQ); Baird, Richard (GOV); [redacted]
Subject: RE: Requested Emails

Thank you.

From: Anderson, Madhu (DEQ) [mailto:AndersonM30@michigan.gov]
Sent: Wednesday, December 09, 2015 3:57 PM
To: Reynolds, Lawrence
Cc: Chris Kolb; Ken Sikkema (ksikkema@pscinc.com); mattdav@med.umich.edu; erothste@grg-ltd.com; Wyant, Dan (DEQ); Baird, Richard (GOV); [redacted]
Subject: Requested Emails

Dr. Lawrence, I have attached to this correspondence all emails and replies exchanged between Mike Glasgow and Flint Water Department/Staff with Michigan DEQ staff between the dates of April 13 and April 30, 2014, as requested.

I apologize for the length of time it has taken to get these to you. Please let me know if we can provide any other information.

Madhu R. Anderson
Deputy Director, Economic and Strategic Initiatives
☎ 517 284 6702 [redacted]
✉ andersonm30@michigan.gov

DEQ

From: Murray, David (GOV)
Sent: Thursday, December 10, 2015 12:07 PM
To: Baird, Richard (GOV)
Subject: RE: Updated draft of Flint Water Task Force response

Got it. Will make that change.

From: Baird, Richard (GOV)
Sent: Thursday, December 10, 2015 12:07 PM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: Re: Updated draft of Flint Water Task Force response

...will continue to engage with your task force and provide support and direction to Harvey to ensure.,.

Dave I don't want this to look like we are assisting Harvey rather we are providing leadership direction

Sent from my Verizon Wireless 4G LTE DROID
On Dec 10, 2015 11:49 AM, "Murray, David (GOV)" <MurrayD1@michigan.gov> wrote:

> Good morning, team. Here's a new draft of the Flint Task Force response letter incorporating suggestions from Rich. Please let me know if there additional changes I should make, or if you think there are points that need to be included.
>
> Our goals is to have a letter that can be shared later today.
>
> Thank you!
>
> Dave
>
> Flint Water Advisory Task Force Members,
>
> Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.
>
> As acknowledged in your letter, we have taken many steps to address the challenges in Flint as they relate to reducing lead exposure. I am pleased to see the progress since October, and recognize there is more work that must be done to ensure that this progress continues.
>
> At the state level, there has been a confluence of efforts between Michigan Departments of Environmental Quality and Health and Human Services to coordinate with the Genesee County Health Department, local schools, and our partners in the non-profit community.

These partners are making progress, and we know we can always strive to improve practices and communication for continual improvement.

You make a solid suggestion about establishing a person who is independent of any one of the involved state agencies or organizations to serve as the point person to coordinate the ongoing work. I am recommending that Harvey Hollins, director of the Office of Urban Initiatives, carry out this effort. Harvey is well-versed in the issue and the challenges faced by our cities and will be effective in this role. He will be assisted by senior members of our executive team to ensure you will have the continued support and cooperation that you need. We also have retained Chris DeWitt, a veteran communications specialist, to strengthen community outreach efforts to make sure residents have access to the information they need.

I also support your suggestion of a dashboard to make information about our work and progress more accessible to the Flint community. These are critical measures that can be used as we look the challenges and progress in Flint, but also can be a part of efforts moving forward in other areas of our state. It's important that people have confidence that we are working to address any problems and will take the necessary actions to improve interaction among city, state and federal agencies. We also will continue to work with the medical community to consider how we can work together on wraparound needs of children who might experience health problems.

People in Flint and across our state deserve safe, clean water. I want them to be confident that the water coming out of their tap is safe for their families. And I want them to trust that their government – at all levels – is working effectively to protect them.

I thank you again for investing your time and expertise to this vitally important effort.

Regards,

From: Murray, David (GOV)
Sent: Friday, December 11, 2015 11:42 AM
To: Baird, Richard (GOV)
Subject: FW: Flint EBL Report Press Release
Attachments: Flint Blood Testing Report December 11.pdf; Flint EBL Data Press Release Dec. 11.docx

Rich, here's an update on the Flint blood lead testing. Latest totals are 39 people with elevated levels out of 1,836 tested. If my math is right, that's about 2.1 percent.

Dave Murray
Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

From: Eisner, Jennifer (DHHS)
Sent: Friday, December 11, 2015 11:32 AM
To: Murray, David (GOV) <MurrayD1@michigan.gov>; Brown, Jessica (GOV) <BrownJ53@michigan.gov>; Kennedy, Jordan (GOV) <KennedyJ4@michigan.gov>
Cc: Lasher, Geralyn (DHHS) <lasherg@michigan.gov>; Minicuci, Angela (DHHS) <MinicuciA@michigan.gov>; Wurfel, Brad (DEQ) <Wurfelb@michigan.gov>; Tommasulo, Karen (DEQ) <TommasuloK@michigan.gov>
Subject: Flint EBL Report Press Release

Team Gov:

Attached please find the second blood lead level summary report for Flint and the corresponding press release. With it being Friday, we would like to get this out as soon as possible – ideally at or before 1 p.m.

Please let me know if you have any concerns.

Best,

Jennifer Eisner
Public Information Officer
Michigan Department of Health and Human Services
Office: 517-241-2112 or EisnerJ@michigan.gov
Cell: [redacted]

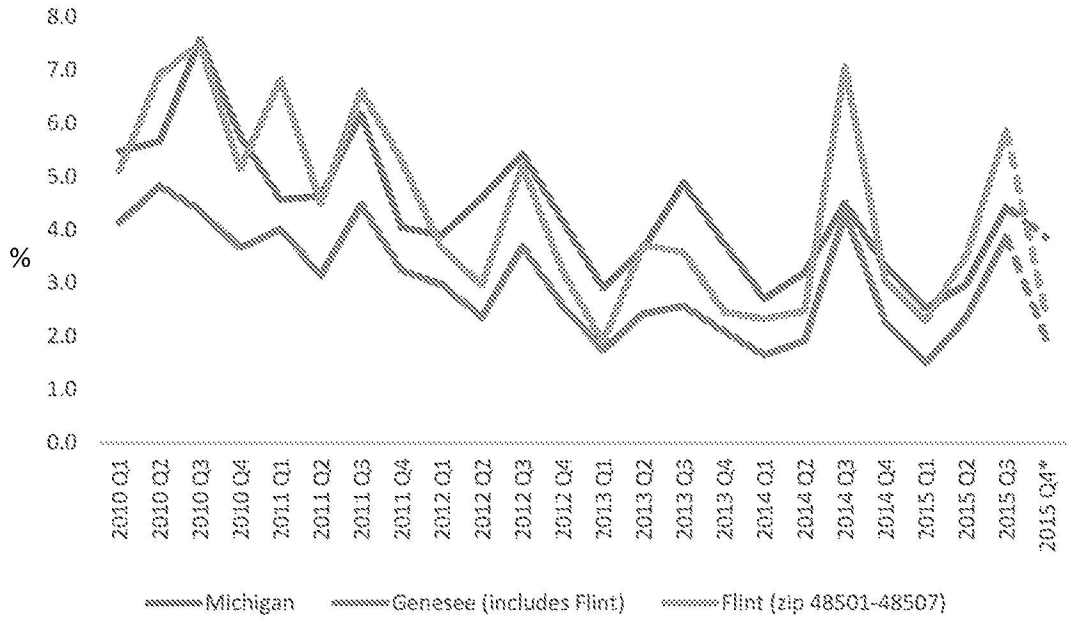
Michigan Department of Health and Human Services (MDHHS)
Blood Lead Level Test Results for Flint Zip Codes 48501-48507
Genesee County, and the State of Michigan
Summary as of December 4, 2015

Executive Summary

This report is generated by MDHHS to track Blood Lead Level test results in Flint, Michigan.

- Counts on this report include both capillary and venous blood tests. People who have had multiple tests are counted only once per year.
- Since 10/1/2015, an additional 1,836 people have been tested in Flint.
- Continued testing efforts by Genesee County Health Department, MDHHS and local medical personnel have identified 27 children with blood lead levels greater than or equal to 5µg/dL (micrograms per deciliter) since 10/1/2015.
- 2.4 percent of the children younger than 6 years old tested since 10/1/2015 have had blood lead levels greater than or equal to 5µg/dL.
- Additional testing is ongoing. Counts will vary as new results are added.

Incidence of elevated blood lead ≥ 5 µg/dL among children < 6 years of age by quarter, 2010- 2015



Deduplicated by year,retains test during the time period. *Data for Q4 2015 are incomplete

** Data for Quarter 4 of 2015 are incomplete and subject to change*

	Children younger than 6 Years Old			Children 6 to 17 Years Old		
	Michigan	Genesee County	Flint 48501-48507	Michigan	Genesee County	Flint 48501-48507
Total tested for lead 1/1/2010 to 12/31/2010:	152,608	6,932	3,560	17,963	867	463
Number of test results ≥5µg/dL 1/1/2010 to 12/31/10:	9,509	298	222	907	25	20
Total tested for lead from 1/1/2011 to 12/31/2011:	149,420	6,667	3,093	15,725	1,038	544
Number of test results ≥5µg/dL 1/1/2011 to 12/31/11:	7,392	250	180	651	20	15
Total tested for lead 1/1/2012 to 12/31/2012:	146,142	7,008	3,112	15,460	1,386	630
Number of test results ≥5µg/dL 1/1/2012 to 12/31/12:	6,704	206	127	478	17	12
Total tested for lead 1/1/2013 to 12/31/2013:	145,813	6,986	3,077	13,897	1,241	566
Number of test results ≥5µg/dL 1/1/2013 to 12/31/13:	5,647	156	95	342	9	4
Total tested for lead 1/1/2014 to 12/31/2014:	141,355	6,690	3,045	12,936	913	428
Number of test results ≥5µg/dL 1/1/2014 to 12/31/14:	4,948	178	122	386	6	5
Total tested for lead 1/1/2015 to 11/13/2015:	127,535	6,178	2,931	11,548	1,352	881
Number of test results ≥5µg/dL 1/1/2015 to 11/13/2015:	4,426	153	104	322	13	10
Total tested for lead 10/1/2015 to 11/13/2015:	22,062	1,389	806	2,127	658	525
Number of test results ≥5µg/dL 10/1/2015 to 11/13/2015:	851	27	19	52	10	8

** Data for Quarter 4 of 2015 are incomplete and subject to change*

	Adults 18 Years and Older			Total Number of People of All Ages Tested		
	Michigan	Genesee County	Flint 48501-48507	Michigan	Genesee County	Flint 48501-48507
Total tested for lead 1/1/2010 to 12/31/2010:	13,853	602	195	184,424	8,401	4,218
Number of test results ≥5µg/dL 1/1/2010 to 12/31/10:	1,462	42	18	11,878	365	260
Total tested for lead 1/1/2011 to 12/31/2011:	13,259	542	139	178,404	8,247	2,726
Number of test results ≥5µg/dL 1/1/2011 to 12/31/11:	1,369	44	16	9,412	314	211
Total tested for lead 1/1/2012 to 12/31/2012:	13,059	556	155	174,661	8,950	3,907
Number of test results ≥5µg/dL 1/1/2012 to 12/31/12:	1,415	33	11	8,597	256	150
Total tested for lead 1/1/2013 to 12/31/2013:	12,199	498	136	171,909	8,725	3,779
Number of test results ≥5µg/dL 1/1/2013 to 12/31/13:	1,499	54	16	7,488	219	115
Total tested for lead 1/1/2014 to 12/31/2014:	12,684	441	112	166,975	8,044	3,585
Number of test results ≥5µg/dL 1/1/2014 to 12/31/14:	1,422	44	12	6,756	228	139
Total tested for lead 1/1/2015 to 11/13/2015:	12,509	1,022	639	151,592	8,552	4,451
Number of test results ≥5µg/dL 1/1/2015 to 11/13/2015:	1,279	41	18	6,027	207	132
Total tested for lead 10/1/2015 to 11/13/2015:	2,513	648	505	26,702	2,695	1,836
Number of test results ≥5µg/dL 10/1/2015 to 11/13/2015:	262	17	12	1,165	54	39

** Data for Quarter 4 of 2015 are incomplete and subject to change*

STATE OF MICHIGAN

RICK SNYDER
GOVERNOR

DEPARTMENT OF HEALTH AND HUMAN SERVICES
LANSING

NICK LYON
DIRECTOR

FOR IMMEDIATE RELEASE
December 11, 2015

CONTACT: Jennifer Eisner
(517) 241-2112

MDHHS releases latest round of Flint blood lead level data

LANSING, Mich. – The Michigan Department of Health and Human Services today issued its newest summary report on lead testing in Flint. According to preliminary data, 39 of 1,836 adults and children tested had elevated blood lead levels since Oct. 1.

"As testing continues, our focus remains on helping families reduce all potential exposures to lead," said Dr. Eden Wells, MDHHS chief medical executive. "We are working closely with the Genesee County Health Department to provide information and offer tools in the community, and encourage families to explore the resources that are available to them."

Both capillary and venous blood tests are included in the report, and people who have had multiple tests are counted only once. Tests and their results cover the time since the state action plan was put in place on Oct. 2, and capture the number of elevated blood lead levels greater than 5 micrograms per deciliter.

MDHHS is working closely with local partners to offer resources and distribute important lead testing and prevention information. Additional state funding has allowed for Genesee County Health Department (GCHD) nurses to work with families when an elevated blood lead level is detected. These families can also choose to have the nurse coordinate an environmental health investigation in their home to identify lead exposures, which could be lead from paint, soil, plumbing, and other sources.

To support these efforts, the state is coordinating with its Medicaid health plans and provider communities on enhanced screening and testing. In addition to mandated testing at ages one and two for the Medicaid population, MDHHS has recommended blood lead testing for any child younger than six years of age in Flint who has not previously been tested. The state, in coordination with GCHD, developed and issued a Health Alert Network (HAN) notification for local providers to help ensure consistent messaging and protocols among primary care providers.

Free water filters and replacement cartridges are still available to Flint residents. For a full list of locations and hours of distribution, or to view the full blood lead level report, visit www.michigan.gov/flintwater. The summary will be updated as more data becomes available.

To help residents properly install water filters, and to demonstrate how to replace the original when it expires, MDHHS has created an instructional video on its YouTube channel. For this and other updates, visit www.michigan.gov/flintwater.

# # #

From: Manolakoudis, Virginia (GOV)
Sent: Friday, December 11, 2015 1:47 PM
To: Chris Kolb; Ken Sikkema; 'Laurence Reynolds'
Cc: Baird, Richard (GOV)
Subject: Confirming: Dr. Mona and Flint Water Mtg 12/14 11am

Good Afternoon,

Just double checking that you are attending Rich's meeting with Dr. Mona and Flint Water on **Monday, December 14th** at **11:00am** in the Governor's Conference Room, 2nd Floor Romney Building.

We will see you on Monday!

Thanks!

Virginia Manolakoudis
Executive Assistant to Richard Baird
Executive Office of Governor Rick Snyder
ManolakoudisV@michigan.gov
(517) 241-5621

From: Hansen, Rachel (GOV)
Sent: Tuesday, December 15, 2015 2:51 PM
To: Baird, Richard (GOV)
Cc: Manolakoudis, Virginia (GOV)
Subject: Flint Task Force Letter
Attachments: 15.12.15 Flint Task Force Letter.pdf

Attached. I'll be bringing it to Virginia in a moment

Sincerely,

Rachel Hansen
Administrative Assistant to the Governor
Office of Governor Rick Snyder
517-373-2340
Hansenr3@michigan.gov

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

December 15, 2015

Dear Flint Water Advisory Task Force Members:

Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.

As acknowledged in your letter, we have taken many steps to address the challenges in Flint as they relate to reducing lead exposure. I am pleased to see the progress since October, and recognize there is more work that must be done to ensure that this progress continues.

At the state level, there has been a confluence of efforts between Departments of Environmental Quality and the Department of Health and Human Services to coordinate with the Genesee County Health Department, local schools, and our partners in the non-profit community.

These partners are making progress, and we know we must always strive to improve practices and communication for continual improvement.

You make a solid recommendation to establish a person who is independent of any one of the involved state agencies to serve as the point person to coordinate the ongoing work. I am recommending that Harvey Hollins, director of the Office of Urban Initiatives, carry out this effort. Harvey is well-versed in the issues and the challenges faced by our cities and will be effective in this role. Senior members of our executive team will continue to engage with your task force and provide direction and support to Harvey to ensure you will have continued support and cooperation. We also have retained Chris DeWitt, a veteran communications specialist, to strengthen community outreach efforts to make sure residents have access to the information they need.

I also support your suggestion of a dashboard to make information about our work and progress more accessible to the Flint community. These are critical measures that can be used as we look the challenges and progress in Flint, but also can be a part of efforts moving forward in other areas of our state. It's important that people have confidence that we are working to address any problems and will take the necessary actions to improve interaction among city, state and federal agencies. We also will continue to work with the medical community to consider how we can work together on wraparound needs of children who might experience health problems.

People in Flint and across our state deserve safe, clean water. I want them to be confident that the water coming out of their tap is safe for their families. And I want them to trust that their government – at all levels – is working effectively to protect them.

I thank you again for investing your time and expertise in this vitally important effort.

Sincerely,

Rick Snyder
Governor

From: Chris Kolb [redacted]
Sent: Thursday, December 17, 2015 4:40 PM
To: Lyon, Nick (DHHS)
Cc: Ken Sikkema; Baird, Richard (GOV)
Subject: Re: FOIA Response

Nick,

Thanks for the quick response and making sure this gets completed.

Thanks again,
Chris

On Thu, Dec 17, 2015 at 4:24 PM, Lyon, Nick (DHHS) [redacted] wrote:

Ken/Chris

The Detroit Free Press printed a column yesterday on the Flint water situation. I wanted to provide some clarity from my perspective. The AG's Office had sent us what we call litigation holds. See the attached files.

We do have a FOIA from Mr. Edwards that predates the initial hold. We had received the FOIA request and had indicated we had approved it to Mr. Edwards, and would begin compiling the information and forward pending payment. After the approval we received the first litigation hold notice from the AG's Office. Because of the hold for potential litigation, we felt it was prudent to vet the FOIA request with the AG's Office. We did notify Mr. Edwards of this. I don't believe that there will be an issue with his request and we will continue to be open and transparent with the public. We do have to redact personally information, such as personal health information or information that could be used to identify an individual (such as address or social security), but that should be expected.

Once the FOIA is complete (either tomorrow or early next week) we will send to Mr. Edwards. I will forward a copy to you two as well.

Nick

--

Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted] (cell)

Sign up for our Electronic Newsletter!

www.environmentalcouncil.org
www.twitter.com/ckolb
www.twitter.com/michenvcouncil

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Thursday, December 17, 2015 5:24 PM
To: Lyon, Nick (DHHS)
Cc: Chris Kolb; Baird, Richard (GOV)
Subject: Re: FOIA Response

Ok...thank you...

Ken

On Thursday, December 17, 2015, Lyon, Nick (DHHS) <LyonN2@michigan.gov> wrote:

Ken/Chris

The Detroit Free Press printed a column yesterday on the Flint water situation. I wanted to provide some clarity from my perspective. The AG's Office had sent us what we call litigation holds. See the attached files.

We do have a FOIA from Mr. Edwards that predates the initial hold. We had received the FOIA request and had indicated we had approved it to Mr. Edwards, and would begin compiling the information and forward pending payment. After the approval we received the first litigation hold notice from the AG's Office. Because of the hold for potential litigation, we felt it was prudent to vet the FOIA request with the AG's Office. We did notify Mr. Edwards of this. I don't believe that there will be an issue with his request and we will continue to be open and transparent with the public. We do have to redact personally information, such as personal health information or information that could be used to identify an individual (such as address or social security), but that should be expected.

Once the FOIA is complete (either tomorrow or early next week) we will send to Mr. Edwards. I will forward a copy to you two as well.

Nick

--

Ken Sikkema
Senior Policy Fellow

Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Monday, December 21, 2015 7:39 PM
To: Baird, Richard (GOV)
Subject: Fwd: DHHS

FYI...

---------- Forwarded message ----------
From: <chris@environmentalcouncil.org>
Date: Monday, December 21, 2015
Subject: DHHS
To: Ken Sikkema <ksikkema@pscinc.com>

Virginia Tech Researcher Claims Stonewalling On Lead Data

The Department of Health and Human Services had data that showed there were elevated lead levels in Flint's water, but delayed in releasing that data to others for review, Virginia Tech professor Marc Edwards said in an article posted to his website documenting the city's water crisis.

Department officials agreed and said the experience led to changes in how they examine data.

Mr. Edwards said the department had data from shortly after Flint changed its water source that showed a spike in blood lead levels in children in two at-risk neighborhoods, but did not disclose that data until September 2015.

"They discovered scientifically conclusive evidence of an anomalous increase in childhood lead poisoning in summer 2014 immediately after the switch in water sources, but stood by silently as Michigan Department of Environmental Quality (MDEQ) officials repeatedly and falsely stated that no spike in blood lead levels (BLL) of children had occurred," he said in the post.

DHHS spokesperson Jennifer Eisner agreed the department had data that showed the spike, but said its analysis at the time overlooked factors that, in retrospect, would have shown there was a water quality problem.

"When initially looking at the citywide and county elevated blood lead level numbers, the increase appeared to be consistent with the seasonal fluctuation seen in the summer months," Ms. Eisner said. "It wasn't until the Hurley report came out that our epidemiologists took a more in-depth look at the data by ZIP code, controlling for seasonal variation, and confirmed an increase outside of normal trends. As a result of this process, we have determined that the way we analyze data collected needs to be thoroughly reviewed."

Mr. Edwards said DHHS officials also stonewalled him on getting access to that data.

He said data he had gotten easily in 2006 documents for a similar review took several weeks to receive after his request sent September 2. When he did finally receive the data, he said it was a version that omitted the lead level spike from summer 2014 that the department had created in July.

He said a series of emails he received under a recent Freedom of Information Act request showed and intention by DHHS officials to keep the reports from the public.

"Our FOIA reveals a shocking DHHS graph created in October 2015. It shows the statistically significant spike in blood lead that occurred in summer 2014 - the scientific result that DHHS has never publicly acknowledged," Mr. Edwards said in his post.

Ms. Eisner said the department has worked to make the data available. "Summary reports outlining blood lead level testing are posted online on a bi-weekly basis, and we work closely with local partners to fulfill data requests as we receive them," she said.

- See more at:
http://www.gongwer.com/programming/news.cfm?article_id=542490102#sthash.o7NcxHOQ.dpuf

Sent from my iPad

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: Lyon, Nick (DHHS)
Sent: Tuesday, December 22, 2015 1:32 AM
To: Baird, Richard (GOV)
Subject: Fwd: Edwards Report Response

Here was our public response. You can share with Ken and Chris. I am also willing to talk to them about this.

Begin forwarded message:

> **From:** "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>
> **Date:** December 21, 2015 at 3:46:05 PM EST
> **To:** "Lyon, Nick (DHHS)" <LyonN2@michigan.gov>
> **Subject: RE: Edwards Report Response**
>
> The Michigan Department of Health and Human Services has consistently provided information regarding blood lead levels in the city of Flint.
>
> When initially looking at the citywide and county elevated blood lead level numbers, the increase appeared to be consistent with the routine seasonal fluctuation seen in the summer months. It wasn't until the Hurley report came out that our epidemiologists took a more in-depth look at the data by ZIP code, controlling for seasonal variation, and confirmed an increase outside of normal trends. As a result of this process, we have determined that the way we analyze data needs to be thoroughly reviewed. Additionally, Gov. Rick Snyder has created a Flint Water Task Force to review all city, state and federal responses and actions and is expected to make recommendations moving forward.
>
> Our department is focused on ensuring that appropriate case management and follow up is occurring in Flint. Summary reports outlining blood lead level testing are posted online on a bi-weekly basis, and we are working closely with local partners to fulfill data requests as we receive them.
>
> Regarding the FOIA, Mr. Edwards received all of the requested documents, with personal information redacted, on Friday, December 18.
>
> Jennifer Eisner
> Public Information Officer
> Michigan Department of Health and Human Services
> Office: 517-241-2112 or EisnerJ@michigan.gov
> Cell: [redacted]

From: Chris Kolb <chris@environmentalcouncil.org>
Sent: Tuesday, December 22, 2015 9:41 AM
To: Baird, Richard (GOV)
Subject: Harvey Hollins

Rich,

Do you know Harvey's timeline for engaging on the Flint water issues? Especially connecting with key individuals and elected officials.

Thanks,
Chris

Sent from my iPhone

From: Chris Kolb [redacted]
Sent: Tuesday, December 22, 2015 11:17 AM
To: Baird, Richard (GOV)
Subject: Re: Harvey Hollins

Mayor Weaver, and Congressman Kildee's office asked about his activities and hadn't been contacted. It will be good to get an update and map out activities tomorrow.

Thanks
Chris

Sent from my iPhone

> On Dec 22, 2015, at 10:50 AM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:
>
> He's already met with several. But he and I are coming to meeting tomorrow to map out the strategy/role/responsibilities.
>
> -----Original Message-----
> From: Chris Kolb [redacted]
> Sent: Tuesday, December 22, 2015 9:41 AM
> To: Baird, Richard (GOV)
> Subject: Harvey Hollins
>
> Rich,
>
> Do you know Harvey's timeline for engaging on the Flint water issues? Especially connecting with key individuals and elected officials.
>
> Thanks,
> Chris
>
> Sent from my iPhone

From: Kelenske, Chris (MSP)
Sent: Tuesday, December 22, 2015 2:40 PM
To: Baird, Richard (GOV)
Cc: Etue, Kriste (MSP); Gorski, Gary (MSP)
Subject: Request of Action Items/Resource Requests

Sir

This morning I requested from the Flint City Administrator, Natasha Henderson, the list of resources they have determined they need to see how we may be able to assist at this time. The county will also look at this to see what they can do. I will forward it as soon as I get it or hear otherwise.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

JOIN THE MSP

From: Manolakoudis, Virginia (GOV)
Sent: Wednesday, December 23, 2015 1:15 PM
To: Baird, Richard (GOV)
Subject: FW: Document for Review - Request for Damage Assessment
Attachments: 12.23.15 - Request for Damage Assessment of Flint.pdf

FYI

From: Adamczyk, Lynne (GOV)
Sent: Wednesday, December 23, 2015 11:34 AM
To: Clayton, Stacie (GOV) <claytons3@michigan.gov>; Manolakoudis, Virginia (GOV) <ManolakoudisV@michigan.gov>; Grijalva, Nancy (DHHS) <GrijalvaN@michigan.gov>; Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>; Klotz, Josephine (MSP) <KlotzJ@michigan.gov>
Subject: Document for Review - Request for Damage Assessment

FYI

Lynne Adamczyk
Executive Assistant
Office of Governor Rick Snyder
517-373-3400 (o)
517-241-9412 (d)
adamczykl@michigan.gov

GENESEE COUN
MEDICA
SOCIET

4438 Oak Bridge Dr., Suite B - Flint, MI 48532-5467
(810) 733-9925 - Fax: (810) 230-3737 - www.gcms.org

FYI
AH/RB/JA
Lyon/Wyant
Ethe

December 15, 2015

Dr. Karen Weaver, Mayor
City of Flint, City Hall
1101 S. Saginaw St.
Flint, MI 48502

Dear Mayor Weaver,

The Genesee County Medical Society supports your call to Genesee County Board of Commissioners, and the State of Michigan, to perform a damage assessment consistent with that which is needed to declare a state of emergency for the City of Flint Water Crisis.

Sincerely yours,

Pino Colone, MD
President

Cc: *Jamie Curtis, Chair, Genesee County Board of Commissioners*
Kay Doerr, Chair, Genesee County Board of Health
Senator Jim Ananich
Senator Dave Robertson
Governor Rick Snyder
Congressman Dan Kildee

From: Brownfield, Michael (GOV)
Sent: Monday, December 28, 2015 9:54 AM
To: Baird, Richard (GOV)
Subject: RE: Flint info for State of the State

Thanks, Rich. I will incorporate some general talking points from this material into the outline and will leave placeholders for updating as we get closer to the State of the State.

From: Baird, Richard (GOV)
Sent: Monday, December 28, 2015 9:42 AM
To: Brownfield, Michael (GOV)
Subject: Re: Flint info for State of the State

I gave him a briefing Christmas eve morning. Will send you some things. Call me if you need to discuss more fully.

Rich

Sent from my Verizon Wireless 4G LTE DROID
On Dec 28, 2015 9:15 AM, "Brownfield, Michael (GOV)" <BrownfieldM2@michigan.gov> wrote:
Hi Rich,

The governor asked for a fleshed-out timeline on Flint situation and response for State of the State. I've asked DHHS and DEQ to share their info with me. Dan Wyant suggested you might be helpful on info from Flint After Action Task Force. Can you assist?

Thanks,

Mike

From: Baird, Richard (GOV)
Sent: Monday, December 28, 2015 11:53 AM
To: Baird, Richard (GOV)
Subject: Re: Draft Document for Review - Not for Distribution - Taking Action on Flint Water - Response Due by Monday, January 4, 2016, COB

I have put Comments/Questions/Suggestions in [ ]...

Draft –Not for Distribution 12/28/15

TAKING ACTION ON FLINT WATER

[I would start off with an apology..."Among the things our citizens have a right to expect from their government is clean, safe water. In Flint's case, government failed them on many levels. As the Chief Executive of the state, I apologize for these failures and am absolutely committed to making things right. I would ask that all of our leaders at the local, state and federal level, work with me to solve the immediate problems and put in place long term measures to monitor and address the consequences from exposure. I also want to thank Dr. Mona Attisha Hannah and Dr. Marc Edwards for their diligence in making sure I understood the severity of the problem.]

• Flint deserves safe drinking water.

• The issues around Flint's drinking water represent the challenges of aging infrastructure.

• As Governor, I am committed to addressing the issue.

• Lead exposure is a serious issue.

• I appreciate those who have brought attention to this issue.

• We are committed to safe drinking water and to working in partnership with the city of Flint and the U.S. EPA.

• We must learn from what happened in Flint.

• In October, I announced a ten point action plan to address lead exposure in Flint.

• Today, I am outlining additional actions to make sure the public health is protected in Flint and elsewhere in the State of Michigan.

• I am asking for changes in order to see that the Michigan Drinking Water Program becomes a national leader in public health protection.

On October 2, 2015 the Flint Water Action Plan was announced. With the help of the Michigan Legislature and the Mott Foundation, we have taken significant action to address the issue.Actions include:

• Switching back to the Great Lakes Water Authority/DWSD water supply (October 16, 2015)

• Provided water filters to residents of Flint. (DHHS to provide update) [Distribution has been a problem--are we addressing it?]

• Testing all Flint schools, preschools and day cares. Summary of results to date.(George to provide)

• Expanded health exposure testing of individual residences. Summary of results to date. (Nick to provide)

• Offer water testing at no cost to Flint residents to assure safe water. Summary of results to date. (George to provide)

• Expedite optimizing corrosion control in the Flint drinking water system. Summary of date completed. (George to summarize)

• Utilize the "Safe Drinking Water Technical Advisory Committee." To ensure the best technology, practices and science are being utilized; national experts have been assembled to provide technical advice. [Will you include Dr. Mona? Larry Reynolds? Mark Edwards?]

• Accelerate water system improvement to address replacement of lead service lines. We are working with the city of Flint and our Congressional delegation on a lead service line replacement plan.

• Working to expedite the completion of the Karegnondi Water Authority.

• Expand a lead education program.
(DHHS to provide update)

• Dr. Eden Wells was named as the Flint Drinking Water Public Health Advisor to ensure safe drinking water.

[Dr. Larry Reynolds was named to the Flint After Action Task Force].

In addition to the announced Flint Action plan, I am calling for additional actions to be taken.

• Recently appointed Harvey Hollins to serve as my administration's point person to coordinate ongoing activities and partner with the city of Flint.

• Asking the DEQ to develop a statewide drinking water school testing program.

• Asking for changes in the Michigan Drinking Water Program in order for it to be recognized as a national leader in public health including:

- o New administrative leadership.
- o Creation of corrosion control expertise.
- o Expanded statewide testing.
- o Improved testing protocols.

• The creation of a health fund for children affected by lead exposure.

• Calling on the Legislature to work with my administration and stakeholders to develop a Strategic Water Fund to address Michigan's long term safe water and water quality infrastructure needs. [This can't get lost. Need more to educate people that our infrastructure is old, that the average city of 50,000 or more likely requires $$$ in remediation. At some point the anti corrosive treatment is not likely to be sufficient.]

• I will look to implement additional recommendations of the Flint Water Advisory Task Force, and I appreciate their leadership on this issue.

Sent from my iPad

On Dec 28, 2015, at 10:14 AM, Wyant, Dan (DEQ) <WyantD@michigan.gov> wrote:

> Please edit, correct, and expand summaries as indicated in the attached document called Taking Action on Flint Water Draft 12-28-15. This document is intended to serve as a basis for the Governor to address the Flint drinking water issue in the State of the State and budget announcement.
>
> I have also attached a pdf of a document called Drinking Water Program Budget Request for your information.

Please send your response back to me and also copy all by Monday, January 4, 2016, Close of Business.

Thank you.

Dan Wyant
Director
517-284-6700

<TAKING ACTION ON FLINT WATER DRAFT 12-28-15.docx>

<Drinking Water Program Budget Request.pdf>

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Monday, December 28, 2015 4:35 PM
To: Baird, Richard (GOV)
Cc: Chris Kolb
Subject: Letter to the Governor

Rich:

I want to give you a heads up: the Task Force will be sending a letter to the Governor tomorrow am that states the primary---not the only, but certainly the primary--responsibility for the Flint Water crisis lies at the feet of the MDEQ. We will address three failures: (1) regulatory culture in the Office of Drinking Water and Municipal Assistance; (2) inappropriate and unacceptable public response; and (3) inadequate application of the Lead and Copper Rule.

We address the critical and urgent need to establish responsibility and hold individuals accountable as soon as possible.

It is our intent to send the letter via email tomorrow, with a public release Wednesday am...

The Task Force--both individually and collectively--feel strongly about the need for us to be on record now rather than later.

Don't hesitate to contact me if you have any questions.

Ken Sikkema

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Monday, December 28, 2015 5:10 PM
To: Baird, Richard (GOV)
Cc: Chris Kolb
Subject: Letter to Governor
Attachments: Snyder Letter EPR v5-Clean.docx

Rich:

Attached is the letter the Task Force will be sending to the Governor tomorrow am...

Ken

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

Dear Governor Snyder:

The Flint Water Advisory Task Force, which you appointed on October 21, 2015, has devoted considerable effort and countless hours to our review of the contamination of the Flint water supply: what happened, why it occurred, and what is needed to prevent a recurrence in Flint or elsewhere in the state. We have also been assessing ongoing mitigation efforts to help assure that short- and long-term public health issues and water management concerns will be properly addressed to safeguard the health and well being of the Flint community.

Shortly after we began our work, we recognized the immediate need for better coordination of the state's response to the ongoing public health issues in Flint, and for assignment of a single person to provide this coordination. We addressed these concerns in a letter to you on December 7, 2015, and you responded with immediate adoption of these recommendations. We thank you for the commitment your response demonstrates.

In our continuing efforts, we have now interviewed numerous individuals at state and local levels; reviewed many documents, articles, and emails; and deliberated repeatedly as a group. Both individually and as a group, we have visited Flint several times during the past several weeks to meet with citizens, public health officials and healthcare providers, individuals who have water management responsibilities at the city and county levels, and other public officials.

It is clear to us, particularly as we listen to the people of Flint, that it is both critical and urgent to establish responsibility for what happened in their community and to ensure accountability. This is a first step in a long process to re-establish the trust they no longer have in their government and the agencies whose responsibility it is to protect their health. It is urgent because this deep distrust of government continues to compromise the effective delivery of protective services designed to address ongoing public health issues. It is for these reasons that we are sending this letter at this time.

We believe the primary responsibility for what happened in Flint rests with the Michigan Department of Environmental Quality (MDEQ). Although many individuals and entities at state and local levels contributed to creating and prolonging the problem, MDEQ is the government agency that has responsibility to ensure safe drinking water in Michigan. It failed in that responsibility and must be held accountable for that failure.

The Safe Drinking Water Act (SDWA) places responsibility for compliance with its requirements on the public water system. In this instance, the City of Flint had the responsibility to operate its water system within SDWA requirements, under the jurisdiction of the MDEQ. The role of the MDEQ is to **ensure** compliance with the SDWA through its regulatory oversight as the primary agency having enforcement responsibility for the Flint water system.

The MDEQ failed in three fundamental ways.

<u>Regulatory Failure</u>

We believe that in the Office of Drinking Water and Municipal Assistance (ODWMA) at MDEQ, a culture exists in which "technical compliance" is considered sufficient to ensure safe drinking water in Michigan. This minimalist approach to regulatory and oversight responsibility is unacceptable and simply insufficient to the task of public protection. It led to MDEQ's failure to recognize a number of indications that switching the water source in Flint would—and did—compromise both water safety and water quality. The MDEQ made a number of decisions that were, and continue to be, justified on the basis that federal rules "allowed" those decisions to be made. ODWMA must adopt a posture that is driven not by

this minimalist technical compliance approach, but rather by one that is founded on *what needs to be done to assure drinking water safety.*

A culture change must occur within ODWMA. It must be driven by a mission that is aspirational regarding the role of the MDEQ in ensuring the safety and the quality of Michigan's drinking water. We believe, and have expressed to MDEQ Director Dan Wyant, that as a Great Lakes State, Michigan should aspire to have the safest drinking water in the nation, rather than merely aiming for technical compliance with regulatory requirements.

Failure in Substance and Tone of MDEQ Response to the Public

Throughout 2015, as the public raised concerns and as independent studies and testing were conducted and brought to the attention of MDEQ, the agency's response was often one of aggressive dismissal, belittlement, and attempts to discredit these efforts and the individuals involved. We find both the tone and substance of many MDEQ public statements to be completely unacceptable. In a real way, the MDEQ represents the public, including the very individuals it treated dismissively and disrespectfully in public statements. We recognize that the agency might disagree with the opinions of others on a variety of issues, including testing protocol, interpretation of testing results, the requirements of federal law and rules, and other matters. What is disturbing about MDEQ's responses, however, is their persistent tone of scorn and derision. In fact, the MDEQ seems to have been more determined to discredit the work of others—who ultimately proved to be right—than to pursue its own oversight responsibility.

Failure in MDEQ Interpretation of the Lead and Copper Rule

The federal Lead and Copper Rule (LCR) is central to what happened in Flint, because that rule, at least theoretically, is designed to prevent lead and copper contamination of drinking water. The federal LCR calls for "optimized corrosion control treatment," which the MDEQ did not require in the switch to the Flint River. Prior to the switch, MDEQ staff instructed City of Flint water treatment staff that corrosion control treatment (CCT) was not necessary until two six-month monitoring periods had been conducted. The need for CCT would be evaluated after the results from those two monitoring periods were reviewed. The decision not to require CCT, made at the direction of the MDEQ, led directly to the contamination of the Flint water system.

The MDEQ seems to have taken different positions on whether it faithfully followed the LCR in the Flint situation. It first maintained that it followed the LCR, then stated that it did not follow the rule properly, and most recently claimed that a federal memorandum issued by the US EPA in early November 2015 suggests that the original MDEQ interpretation was possibly correct.

We are not convinced. Even the MDEQ's latest interpretation of the US EPA's November memorandum is overly legalistic and misunderstands the intent of the LCR, which is to minimize risks of lead and copper exposure for human health.

We believe ODWMA's single-minded legalistic focus is the heart of the problem, and it is part of the "technical compliance" culture described above. ODWMA should not be basing its actions solely on a legally possible interpretation of the LCR. It should be focusing on how to protect Michigan's citizens from lead in drinking water.

We met with MDEQ Director Wyant on December 16, 2015, to discuss these issues, as well as many others. We note his substantial agreement with many of our conclusions, particularly as it relates to the regulatory failure and the abysmal public response of his agency. It is our understanding that he has drawn similar conclusions in his own evaluation of the MDEQ's role in the Flint water crisis. At the same

time, it was disappointing to hear his weak defense of the CCT decision based on the EPA's November 2015 memorandum.

We are not finished with our work. Other individuals and entities made poor decisions, contributing to and prolonging the contamination of the drinking water supply in Flint. As an example, we are particularly concerned by recent revelations of MDHHS's apparent early knowledge of, yet silence about, elevated blood lead levels detected among Flint's children. We also feel it important to further review local government decision processes under emergency management. Our final report will highlight and discuss those concerns, among many others, to provide some context to a comprehensive series of recommendations. **As stated earlier in this letter, however, we believe that establishing responsibility is a critical and urgent need, and one that should not wait for our final report in 2016. Individuals and agencies responsible must be held accountable in a timely fashion.**

It is our hope that the heightened awareness of the dangers of lead poisoning can be an opportunity to make Michigan safer, particularly for its children. Drinking water must be recognized as a potential source of health risk exposure when water lines and fixtures containing lead are disturbed or compromised. Proper testing, not only in high-risk areas but also in facilities serving children (e.g., schools), must be considered. Facilitating long-term financing of a model public health program, and also replacement of lead-containing water service lines and fixtures, would enable Michigan to realize a positive lasting legacy from the tragedy of the Flint water crisis. Our final report will address some of these issues.

The City of Flint's water customers—fellow Michigan citizens—were needlessly and tragically exposed to toxic levels of lead through their drinking water supply. They deserve a commitment to properly assess responsibility and ensure accountability. They also deserve a commitment to needed mitigation in both the short and long term. The Flint water crisis never should have happened. Having failed to prevent it, state government should coordinate a sustained, public-health-focused response to remedy, to the fullest extent possible, the impacts on the Flint community.

Respectfully yours,

Flint Water Advisory Task Force:

Ken Sikkema
Chris Kolb
Matt Davis
Larry Reynolds
Eric Rothstein

From: Pat Mcdonnell [redacted]
Sent: Wednesday, December 30, 2015 8:52 AM
To: Baird, Richard (GOV)
Subject: FW: MIRS Breaking News: Wyant Resigns As MDEQ Director -- 3:09 PM

Gents,

It has occurred to me for some time that perhaps, rather than DOC, our next Agencies might be DEQ followed by DNR. If they can't test water, who knows what else is lurking in the weeds? I suspect your report back on DEQ might have indicated as much.

I also trust by now that PwC has been told that Bernard's project is coming to an end. Will that make them a bit more receptive to my win/win, or are they going to keep pushing Bernard? Speaking of which, we need a little organization to the MDARD pilot program. I suggested it to cause PwC/Bernard to put their cards on the table. Just what is it exactly they propose and how will it produce a more cost effective result than OpEx? Whatever it is, they should be obligated to put it on paper.

Now, I suggest that we have a meeting to get the rules straight. It might be appropriate for Mike to chair it. I assume he is the point guy on resolution. It will also keep PwC honest. I don't want to waste all this knowledge Mike is acquiring.

Finally, I would be interested in what Jamie, Gordon, and Ken think about this. At the last Bernard meeting, I asked each of them to consider where we would have been had we followed the Bernard methodology all the way into MDARD compared with where we are now. Without hesitation, they all responded separately that it would have been the same place. I rest my case.

It would be interesting to ask Nick/Sally and David/Brom the same question. Something tells me I know the answer.

Finally, if Bernard's project is going to yield real results, it needs to provide the Agency level objectives that the plan envisions. I suspect Bernard will avoid that arguing that it can't be done until the Agencies are "mapped." Again, our results indicate that such is not the case. If he does not do so, then we will do it as part of OpEx. As I noted, that is what we are doing now. DEQ is responsible for protecting us and the environment. That is their objective. How they do it to a much enhanced level of consistent excellence is what OpEx is all about. No mystery.

I'll be in Lansing next week from about 4 on Monday through Thursday. Friday will find me at GRHV. Mike, perhaps we could find time for a quick chat.

Happy New Year. I am looking forward to a very productive year. You have great people. They are fired up and really contributing. This is all about building momentum. We must keep them focused, let them understand what we are doing and let them begin to experience victory. That is what is now happening. It can only build. However, we must protect or credibility as the naysayers will quickly point to any breach.

Pat

From: Bankowski, Jeffrey S. (DTMB) [redacted]
Sent: Tuesday, December 29, 2015 2:55 PM

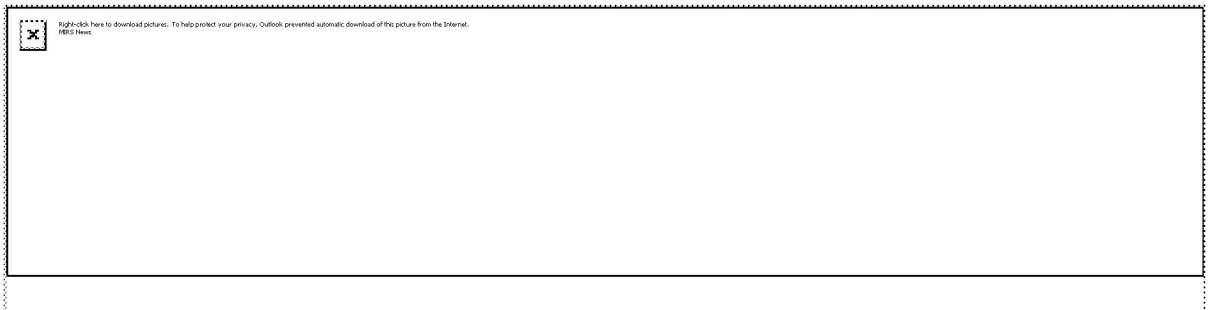
To: [redacted]
Subject: Fwd: MIRS Breaking News: Wyant Resigns As MDEQ Director -- 3:09 PM

Just FYI

Sent from my iPhone

Begin forwarded message:

From: MIRS Delivery <mirsdelivery@mirsnews.com>
Date: December 29, 2015 at 3:22:24 PM EST
To: <bankowskij@michigan.gov>
Subject: MIRS Breaking News: Wyant Resigns As MDEQ Director -- 3:09 PM



MIRS BREAKING NEWS: Wyant Resigns As MDEQ Director -- 3:09 PM

http://www.mirsnews.com/alert.php?alert_id=2154

Dan **WYANT**, the director of the Michigan Department of Environmental Quality (MDEQ), is resigning in the wake of criticism about how the state handled elevated lead levels in Flint drinking water.

Gov. Rick **SNYDER** announced Wyant's resignation in a statement today. Also, in the statement, the Governor said his administration would invite scientists who have been tracking the situation "to be our partners in helping us improve Flint water."

"I want the Flint community to know how very sorry I am that this has happened," Snyder's statement added. "And I want all Michigan citizens to know that we will learn from this experience, because Flint is not the only city that has an aging infrastructure."

On Wyant, Snyder said Wyant offered his resignation, "and I've determined that it's appropriate to accept it."

"I'm also making other personnel changes at MDEQ to address problems cited by the task force," Snyder's statement said.

Those other changes haven't been finalized yet, according to Laura **BIEHL**, a spokesperson for the Governor.

The news of Wyant's resignation comes as a task force continues to work on a report about the Flint water crisis, which occurred after the city's water source was switched to the Flint River in 2014.

"Although the task force's final report is not yet completed, members have made me aware of some interim findings and corrective steps that I have decided to take immediately in order to restore trust in how the state keeps its citizens safe and informed," Snyder said today. He continued, "We'll continue to work with the community members to make sure we hear and respond to their concerns."

Snyder also noted the he called Flint Mayor Karen **WEAVER** last week and the two are going to meet soon to discuss other ways the state can offer assistance.

Wyant has been MDEQ director since Snyder took office in 2011.

Previously, Wyant was the director of the Department of Agriculture under former Govs. John **ENGLER** and Jennifer **GRANHOLM**.

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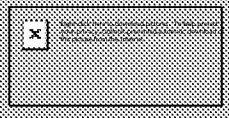

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From: Newman, Andrea <[redacted]
Sent: Wednesday, December 30, 2015 10:25 AM
To: Baird, Richard (GOV)
Subject: Snyder apologizes, Wyant resigns in Flint water crisis

Rich

My son-in-law (actually my husbands son-in-law), Chris Franklin, is the CEO of Aqua America - a private water and wastewater company based in Philadelphia. He also sits on the Board of ITS a Michigan corporation.....

Happy to introduce you to him if you're interested in learning more about successful privatized water systems. Aqua America is a publicly traded company.

Hope all is well and that you had a wonderful Christmas. We're headed to Orlando for the Bowl Game this afternoon. Hope to see you soon. Andi

http://www.freep.com/story/news/local/michigan/2015/12/29/deq-director-wyant-resigns-over-flint-water-crisis/78027052/

Sent from my iPad

From: Kelenske, Chris (MSP)
Sent: Wednesday, December 30, 2015 12:03 PM
To: Baird, Richard (GOV)
Cc: Etue, Kriste (MSP); Gorski, Gary (MSP)
Subject: Thoughts on Next Steps
Attachments: IAP Flint Water 2015-12-29.pdf

Below are some of my initial points to assist with the EO creation. I have not been able to review the local Incident Action Plan so that could change some of the below but my guess is that it will add objectives to it. I attached the IAP from Flint in case it did not go through earlier.

- Before anything can be accomplished, coordination between all parties must be established. We must establish a routine information process between all parties.
- Other avenues of funding must be pursued including federal grants and legislative appropriations.
- While the Emergency Management Act or Stafford may be the best mechanism to fix the issues in Flint, portions of the Emergency Management Act outlining management of events are applicable and should be implemented (e.g. Local emergency operations plans/emergency operations guides as well as emergency operations support plans).

Action Plan

- If a request for a Governor's declaration is received from the county, evaluate the request and provide a recommendation whether to issue a declaration.
- Establish an interagency workgroup comprised minimally of DHHS, MDEQ, and MSP. Consideration should be given to including Civil Rights. Additional agencies/stakeholders who can assist with accomplishing the action plan may be needed. Personnel should be goal oriented and be able to work toward accomplishing the Incident Action Plan created by the state in a timely manner.
- If an EO and/or an Interagency workgroup is created, it must compliment and not replace the current system under the Emergency Management Act.
- The workgroup should utilize the National Incident Management System and Unified/Incident Command as appropriate.
- Establish routine communications protocols at the operational, executive, and legislative levels as determined appropriate.
- Establish interagency workgroup objectives using the following as a starting point.
    1. Determine and convey acceptable standards for potable water.
        - Identify needed remediation.
        - Convey the remediation plan objectives to interested parties.
        - Implement the plan.
    2. Determine health impacts for the impacted population.
        - Identify treatment methods.
        - Convey the treatment plan objectives to interested parties.
        - Implement the plan.
    3. Establish a public information protocol to effectively inform the community of the situation and actions taken.
        - Identify existing Public Information outlets within the city, county, and state.
        - Determine official information flow and approval of information.
        - Convey to interested parties.
    4. Assess the status of the infrastructure and determine feasible actions to upgrade the water system.
        - Determine current state of the infrastructure.

- Develop priorities, costs, and potential funding sources for infrastructure upgrades as part of a long term recovery plan.
- Implement the plan.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

CITY OF FLINT

INCIDENT ACTION PLAN

STATE OF EMERGENCY

Objectives:

To provide short term relief and long term solutions in addressing the man-made emergency of increased lead levels in the City of Flint (the "City") water system resulting from the switch to Flint River as the City's water source as well as the threat to public health related to elevated blood lead levels in Flint residents, without interruption of the provision of public safety and other essential public services. Due to the fluidic nature of emergencies and the complexity of the City of Flint's declared emergency, this plan serves as a framework and may be altered as the emergency develops.

The Response Framework

The purpose of this plan is to organize efforts on behalf of the city to assess the extent of the City's infrastructure needs and risks to public health, provide immediate relief to those who are at risk, and establish long term solutions. In addition, the city must ascertain what immediate relief and long term solutions the City is capable of implementing based on what resources are available. For any activities that are beyond the resource capacity of the City, external sources of funding, supplies, and manpower must be sought.

There are a number of steps that must be taken in accordance with the Flint Emergency Support Operations Plan (SEOP), in order for the City to be compliant with the Genesee County Emergency Action Guidelines. These include the activation of the Incident Management Team, the Emergency Operation Center, and the sharing of essential documents with the County, including this plan. Information must also be shared by the City's Public Information Officer on a regular basis, as required by the SEOP.

This plan calls for the provision of immediate relief to those at risk in our community. Special consideration must be given to residents who belong to underserved groups, such as those who are homebound, undocumented, in poverty, etc. Additional consideration must also be given to the equitable provision of services throughout our community in order to equally protect the health and safety of every member of our community.

Implementation of this plan is to be conducted by the Incident Management Team, which will monitor the effective delivery of goods and services in order to address the conditions of the emergency.

Understanding the Issue:

October 1, 2015, the Genesee County Health Department issued a Public Health Emergency after elevated blood-lead levels were found among children in the City of Flint. This incident correlates with elevated levels of lead found in the City's drinking water after the City switched water sources in April of

2014 to the Flint River. The scope of this problem appears to be limited to Flint City Water Customers and their dependents. Public agencies from several levels of government, as well as charitable, nonprofit organizations have partnered with the City to provide immediate relief to Flint residents, including the expansion of health services, the provision of bottled water and NSF rated water filters. The city is also seeking long term infrastructure improvements to eliminate lead and other contaminants from the water system.

Gov. Rick Snyder appointed a task force to review "actions regarding water use and testing in Flint" and to make recommendations for future guidelines: Members of the state task force are Ken Sikkema of Public Sector Consultants, Chris Kolb of the Michigan Environmental Council, Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center.

In an effort to halt the further escalation of this crisis, the City returned to receiving its water from the Detroit Water and Sewerage Department (DWSD) on October 16, 2015. Since that time, additional corrosion control program has started, estimating a reduction of lead levels over the next six months. In light of these efforts, concerns surrounding the quality of water and health of the residents persist to the point that Mayor Karen Weaver declared a State of Emergency on December 14, 2015 so as to resolve this crisis once and for all.

The current challenge facing the City is providing immediate relief and long term solutions of the quality of the water and health of residents while the City remains in a financially critical condition. It is hoped and expected that higher levels of government recognize this emergency as it pertains to the condition of the City's infrastructure and health of its residents, and do all things necessary to assist the City in the provision of relief and the execution of capital improvement projects that will eliminate the causes of this emergency.

Enhancing Understanding:

Information Collection

Essential Elements of Information (EEIs) can be qualified as the City's water tests containing lead results, the verification of lead water lines (both public and private), and health information. Water testing is performed by the City's water plant in cooperation with the MDEQ. The verification of lead water lines is being handled by University of Michigan Flint, who is currently digitizing the City's water line information and PSI Engineering, who is initiating the effort to verify lead lines by excavating an initial 150 residential lines. This information allows the Incident Management Team to assess the current condition of the emergency by way of determining the water quality and the condition of the water distribution infrastructure.

Information Analysis

The City has sought partners to assist in the analysis and attenuation of complex data. Wayne State University's center for Urban Studies has agreed to assist the City in its efforts to document and track lead water lines, water test results, and filter distribution with geographic information system (GIS) technology. This allows for easily updateable, digestible information to be presented to officials.

Assessment of Impacts

The City will need assistance in determining the total cost of damage done to the public health and infrastructure. As of now, only portions of this damage are visible.

PSI is providing some assistance by excavating 150 residential water lines to verify that they are comprised of lead. This is an initial step, but not enough. More resources will be needed to continue this process.

Continuous Situational Awareness

It is important that the Emergency Management Team receive continuous information regarding water testing results, lead water line numbers, and filter distribution information in order to gain a realistic and current perspective. Much of his information is currently available on the City's website (cityofflint.com) and more is added each week by the PIO team.

Actions taken in Response to the Emergency

Activation of the Incident Management Team

Upon the declaration of Emergency by Mayor Weaver, the Support Emergency Operations Plan (SEOP) was activated. The SEOP calls upon the Incident Management Team to generate the Incident Action Plan (IAP. Each member of this team serves a specific function as it relates to addressing the causes and effects of the emergency. The Emergency Management Team roster can be found in the SEOP on page 3, with a list of alternates on page 4 in case the need for succession arises.

Emergency Operations Center

The Emergency Operations Center (EOC) must be activated upon the declaration of a State of Emergency by the Mayor. This center is required by the SEOP and serves as a nerve center for the Incident Management Team. Here, emergency relief efforts are coordinated by key members of the Incident Management Team. In this case, these relief efforts consist of the distribution of water filters at

City Hall and community events, the distribution of bottled water throughout the city in conjunction with the efforts of community partners, and assisting with the circulation of water testing kits throughout the community. The EOC will also be monitoring and managing the inventory of relief supplies, such as water filters and bottled water.

According to the SEOP, the EOC must establish an incident tracking system. This system will serve as a work plan for the management of the emergency. In addition, it is essential that the IMT record water testing results, lead water line location information, and information about the distribution of water filters and bottled water all in one place so that information is readily available for the Incident Management Team. This information will also be sent out to the public and media in the form of daily regular updates by the City's PIO.

Communication

The EOC maintains a telephone system that exists to intake questions about relief efforts and to organize relief logistics. It is open from 8am to 5pm, Monday through Friday. A voicemail system and eventual email system will exist to handle requests and inquiries that occur outside of the normal operating hours. This system will be constructed by the City's IS department.

Public Awareness and Education

1. **Emergency Alerts and Updates:**
   The City's Public Information Officer will make available information as it relates to the emergency in the form of press releases, emails, and physical documents. Daily updates containing information on the distribution of water filters, bottled water, water testing, blood lead testing, and other relief efforts will be available on the City's website for the public to view. Information will be available at City Hall for residents.

2. **Joint Information Center:**
   The City's PIO will establish a joint Information Center that is organized to coordinate the efforts of multiple agencies to communicate with the public. This includes the circulation of joint press releases, public health information, educational materials, and updates relating to the State of Emergency. This committee is comprised of public information officers and public relations personnel to coordinate efforts to keep the public updated and informed. Regular updates to the media regarding events and progress will be made as news develops.

   The US EPA has offered assistance in the form of Public Information support. Additional support in this area has been provided by the Michigan State Police.

3. **Education:**
   Many government agencies and philanthropic organizations are already distributing information regarding the effects of lead on public health. It is important that the City assist in these efforts so vital information and knowledge is presented to all members of the community. The goal is to continue to eliminate misunderstandings and incorrect information as it relates to reducing lead in drinking water, pursuing medical help, and maintaining a healthy diet to reduce lead absorption in the body. Lead education is currently being performed by the Genesee County Health Department, the Michigan Department of Health and Human Services and Medical community at-large.

Assessment of Social Needs

In order to effectively and equitably provide immediate relief to Flint water customers, the City must take into account many of the socio-economic needs and limitations of the community. Some residents cannot get to City Hall for a water filter. Some residents do not have internet access. Literacy or a language barrier may also pose significant obstacles to the effective distribution of educational information and relief to those in need. These will be continuing challenges facing the community. At present these are the resources the City has available to mitigate some of those challenges.

Logistics

Logistics are being coordinated by the City Emergency Management Team's City's *Chief Logistics Officer*, who is the City Administrator. The CLO is responsible for the coordination, procurement, and transportation of goods and services, which is essential for effective implementation of the response plan.

Fixed Distribution Points

There are several locations throughout the city where residents may acquire a water filter. These locations are:

Flint City Hall
1101 South Saginaw, Flint MI 48502

Genesee County Community Action Resource Department (GCCARD)
601 North Saginaw, Flint MI 48502
and
2727 Lippencott Blvd, Flint MI 48507

Michigan Department of Health and Human Services
4809 Clio Road, Flint MI 48504
and
125 E. Union Street, Flint, MI 48502

Activation of Ward Distribution Centers

Each of the nine wards will have activated distribution centers that are primarily managed by City Council Members or their designees.

Flint City Council – Water Distribution Sites

WARD	COUNCILPERSON	LOCATION	ADDRESS
1	Eric Mays	Hasselbring Senior Center	1002 W. Home Avenue
2	Jackie Poplar	Joy Tabernacle Church	2505 N. Chevrolet Avenue
3	Kerry Nelson	Antioch Baptist Church	1083 E. Stewart Avenue
4	Joshua Freeman	Flint Fire Station No. 5	3402 Western Road
5	Wantwaz Davis	Doyle/Ryder Elementary School	1040 N. Saginaw Street
6	Herbert Winfrey	New Community Baptist Church	1375 Lavender Avenue
7	Monica Galloway	Brennan Community Center	1301 Pingree Avenue
8	Vicki VanBuren	Flint Southwestern Academy	1420 W. 12th Street
9	Scott Kincaid	Dort Mall Police Service Station	3600 S. Dort Highway

Mobile Distribution Centers

With the help of transportation agencies, like the Metro Transit Authority (MTA), meals on wheels, and GCCARD, the city can help establish mobile distribution centers and delivery systems that can provide water filters, bottled water, and nutritious foods, among other types of relief accompanied by educational materials to neighborhoods and to homes of people who experience limited mobility.

- Mass Transportation Authority-MTA bus passes: Assisting residents with bus passes to improve their mobility will increase their chances of receiving help. Transportation services will also improve residents' access to medical care.
- MTA-Your Ride mobile distribution:
    - Estimated Costs: $25 per hour to deliver water and filters to homes throughout the City.

Problem 1. Public Health Emergency

The first objective in addressing this emergency is reducing, and eventually eliminating, the danger to public health. As City water coming out of faucets continue to contain lead, and copper and other

harmful contaminants exceeding government guidelines and regulations, it poses a risk to the people of our community. Preventative measures must be taken to avoid the effects of toxicosis that are difficult if not impossible to completely reverse.

As far as preventative measures are concerned, education, water filters, and bottled water must be provided to every household in the City in order to reduce the chances of lead exposure, especially to our most vulnerable members of the community. If lead exposure has occurred, resulting in elevated blood lead levels, immediate and sustained medical attention must be available to those affected. Health services must be expanded in the area to accommodate increased numbers of case loads and specialized care regarding lead poisoning and its effects.

Immediate Relief for Public Health:

1. Prevention: Education, water filters and replacement cartridges, free water testing, and bottled water must be available to everyone.
2. Access to nutritious food that reduces the risks of lead absorption by the body. The City can coordinate activities with the County Health Department

Long Term Solutions: Maintaining Public Health and Coping with Lead Exposure

1. Work closely with the Genesee County Health Department and Michigan Department of Health and Human Services in order to provide sustainable care and monitoring of children exposed to lead. This care must be available for them for several years-preferably several decades.
2. Support and education for primary care providers regarding aggressive long-term neurodevelopmental screening and testing.
3. Improved access to developmental and behavioral (DBP) specialists, pediatric psychologists, pediatric psychiatrists.
    a. Pre-emptive referral to mental health/ toxic stress screenings.
    b. Support capacity building and or incentivize recruitment to allow Genesee health system (CMH) to build this capacity which is currently needed and lacking.
4. Increase recognition and education regarding trauma informed care, social determinants of health (SDOH).
5. Expand State funded Genesee Health System (CMH) services.
    a. Infant mental health (30 day capacity)
    b. Child case management
    c. Home based services
    d. Trauma informed care- trauma focused CBT

Problem 2. Lead Contamination in the Water

Immediate Relief:

1. Education, water filters and replacement cartridges, free water testing for water customers, and bottled water must be available to everyone. Water filters can be obtained at any of the fixed distribution points throughout the City.
2. Identification and verification of lead water service lines throughout the city- both public and private.
3. Assistance to identify lead pipes within buildings and homes.

Distribution of Bottled Water:
At this point, we are directing all offers for donations to the Food Bank of Eastern Michigan. It is imperative that water be accessible to all members of the community through a variety of distribution channels. These channels are explained in the Logistics Section of this plan.

Distribution of Test Bottles:
Water testing kits can be picked up at City Hall with instructions. Test results are posted on the City's website to raise public awareness and encourage more participation.

Long term Solutions: Capital Improvements Needs
The distribution of filters, water, and food to counter the effects of lead are essential response efforts to keep people safe. However, long term solutions are required to keep people healthy, to eliminate lead from the public and private water distribution system distribution, and to provide affordable clean water. Our public infrastructure and utilities must be reliable, sustainable, and equitable in order for this community to rebound after this emergency. The following long term solutions must be implemented in order to set the City of Flint on a course for recovery. These solutions come at a heavy cost for a City that is currently in receivership. The City has experienced financial distress due to this Emergency, in addition to a two million dollar loss from switching back to DWSD. The City has diligently applied for Fiscally Distressed Cities, Villages, and Townships, Grant in order to supplement funding for capital improvement projects. It is essential that these grants be awarded in order to achieve long term solutions.

1. COMPLETE **Transition to a Temporary Safe Water Source until the Completion of KWA:**
   This has already occurred. On October 16, 2015, Flint returned to receiving its water from DWSD on a 9 month agreement. This agreement will expire in June 2016, when the KWA is projected to be complete. The City had to pay $2 million out of its general fund to make this switch.

2. IN PROGRESS **Additional Corrosion Control added to the Water System:**

This is already occurring. In early December, 2015, Flint began to add additional corrosion control to the water coming in from DWSD in attempts to rebuild the protective scale inside its pipes. This is estimated to reduce lead levels in two to six months.

3. **Faucet Replacement:**
   Replacement of Water faucets, and drinking fountains in the school system. It has been determined after state inspections that many sources of lead contamination in the School System's water were the faucets themselves. These faucets need to be replaced.

4. **Water Line Replacement:**
   Water Line Replacement to reduce antiquated infrastructure and lead service lines. These lines must be identified, verified, and replaced. Residents who are facing financial hardships must have access to assistance to cover the costs of these replacements through access to grants and (forgivable) loans made available through State and Federal agencies. The corrosion damage to public and private lines that Flint River water caused is still being determined.
   - Replacement of an estimated fifteen thousand (15,000) lead service lines at an estimated cost of three thousand dollars ($3,000) per line. Total costs forty –five million dollars ($45,000,000). This project is estimated to be one of the most cost-intensive endeavors related to ameliorating water contaminants.

5. **Reimbursement of Critical Expenditures:**
   Seeking reimbursement of two million dollar cost of returning to DWSD and forgiveness of Water Revolving Loan Debt from the State of Michigan.

6. **KWA Capital Improvements**: The City has reconnected to Detroit temporarily until a water line from Port Huron is developed. The new water line known as the KWA pipeline or Karegnondi Water Authority is expected to bring water to the City from Lake Huron by July. The current cost agreement between Flint and DWSD is for nine months, therefore it is imperative that KWA be completed as soon as possible. Assistance relating to capital improvements to expedite this process will help to achieve long term goals.

KWA Capital Improvements:	**Estimated Costs:**
a. Transfer Station to Dort Reservoir	*$4,500,000*
b. Raw water line to pump station #4	*$636,000*
c. Phosphoric acid feed system	*$186,000*
d. Alum Feed system	*$40,000*
e. Post filtration system	*$387,289*

f.	*SCADA Upgrades*	*$424,000*
g.	*Sewer Relining*	*$100,000*
	Total	***$6,273,289***

Ancillary Considerations: Public Safety during an Emergency

During a time of emergency public safety agencies need to be prepared to respond to threats to public safety and critical infrastructure. The City is facing a man-made emergency that is threatening the public health. Resentment and hostility toward local institutions and municipal government is at a significant level.

Critical infrastructure should be safeguarded if the need arises. This includes increasing security at City Hall to reduce potential for public safety risks. In the case of credible threats to public infrastructure, it may be required to hire private security company for first line of defense. Private Security is lower cost, thereby making it the first option. The minimum response is acted upon first, elevating only if the need arises. Credible or imminent threats of damage or destruction to critical infrastructure requires an elevated response. Such needs may require over-time police officers to address critical situations. Mutual aid from surrounding communities can be requested if Flint public safety is overextended.

Implementation:

Community Partners

Financial limitations of the city persist while it confronts this emergency. Many community partners have offered their assistance to perform various needed functions. The city is heavily reliant on the assistance that government agencies and nonprofit organizations have provided.

The Mott Foundation

The Mott Foundation has provided financial assistance, especially in their generous contribution of $4 million. In addition, the Mott Foundation has recently pledged an additional

United Way

The Genesee County United Way has provided significant financial assistance in the way of purchasing and helping to distribute water filters since the public health emergency began on October 1st, 2015.

Genesee County Community Action Resources Department (GCCARD)

GCCARD is organized to fight poverty and has been a primary partner in the distribution of water filters. It has also regularly supported the city with the logistics and availability of water filters at City Hall.

Genesee County Health Department

Has provided educational information to Flint Water customers

Genesee County Board of Commissioners

The Board of Commissioners have pledged their support to help Flint seek solutions to this crisis. The Board has already assisted in making health and nutrition information available to the public.

Assistance from Wayne State University

Wayne State University's Center for Urban Studies will be providing technical GIS support to assist in the documentation of emergency relief efforts.

The US Environmental Protection Agency

Region 5 EPA has offered assistance with Public Information distribution during the emergency.

Outside Help is still needed…

The City of Flint is forever thankful to our community partners who have given so much to help so many people. However the magnitude of this emergency calls for more resources that are beyond the capacity of the combined local organizations and government agencies. Long term solutions will require a heavy investment in health care and capital improvement projects to upgrade the city's antiquated water distribution system.

- Help with Immediate Relief in terms of assuring allocative efficiency. Distribution should be equitable- assistance from other governments required to assure this.
- Reaching communities for the distribution of water filters, water, and educational materials.
- Help with Water Testing to increase participation and lead education.
- Increasing the rate of water testing
- Assistance is required to fund essential capital improvement projects to guarantee clean and safe water.

JOIN THE MSP

From: Hollins, Harvey (GOV)
Sent: Sunday, January 03, 2016 7:54 PM
To: Karen Weaver
Subject: RE: Per our conversation

Mayor,
I believe you are referring to the paragraph in the draft proposal that reads as follows: "To better coordinate resources and personnel and react with urgency, Harvey Hollins and MSP Capt. Chris Kelenske have been tasked with creating FWIACC, subject to the approval and endorsement by Flint Mayor Karen Weaver."

That paragraph simply asks if you believe that the creation of the FWIACC would be beneficial to the city. Actions addressing the water problems in Flint, through the FWIACC will be taken by various experts/professionals as outlined in the organizational chart.

Transparency is also a critical objective of the Governor, in saying that, we will need your advice on how to optimize that objective for the residents in the city.

Regarding a definite time for your response, why don't you take the next couple of days to really give the proposal a more thorough look over, and save your response for your meeting with the Governor.

If you have any other questions or concerns in the interim, please send them my was as this is still a work in progress.

Best,
Harvey

-----Original Message-----
From: Karen Weaver [redacted]
Sent: Sunday, January 03, 2016 7:10 PM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: Per our conversation

Harvey,

I received your correspondence, and in reviewing it, my concern is that we only have me, yourself, MSP Capt. Chris Kelenske In deciding this important decision about the water problems here in the city of Flint. I would like to have more professional input, such as the Task Force that has been put in place.

In looking at the written plan of action, it seems to be a positive step in the right direction. I also want to make sure the transparency of whatever we do is included.

How soon do you need a definite answer to the proposed plan?

Thanks

Karen
Sent from my iPhone

From: Henry, Alisande (MDE)
Sent: Tuesday, January 05, 2016 3:51 PM
To: Baird, Richard (GOV)
Subject: RE: Flint

Rich,

I'm sure that Brian would support having someone from MDE in attendance. I'll bring this to Brian's attention as soon as I'm able (he's at an off-site meeting today, so it may not be until late this afternoon or first thing tomorrow). He or I will get back to you to let you know who it will be.

Do you have details about meeting location that I can share -- just want to be sure our representative accounts for travel time, etc. in his/her planning, if needed.

Thanks - Alisande

Alisande Henry, Special Assistant to the Superintendent
Office of the State Superintendent
Michigan Department of Education
517-241-2077
henrya@michigan.gov

Customer Service is a priority at the Michigan Department of Education -- helping Michigan schools, families, and communities improve the achievement and well-being of ALL our children.

MICHIGAN Department of Education

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 3:46 PM
To: Henry, Alisande (MDE) <henrya@michigan.gov>
Subject: FW: Flint

Alisande:

What do you think? Could you let me know if someone could attend Dr. Mona's meeting?

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 12:53 PM
To: Whiston, Brian (MDE)
Cc: Hollins, Harvey (GOV)
Subject: Flint

Brian,

Would you consider having someone from MDE attend? Dr. Mona is at the center of our planning for remediation in light of the Flint water emergency. Happy to talk real time.

Thanks,

Rich

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Mona Hanna-Attisha <MHanna1@hurleymc.com>
Date: Jan 5, 2016 10:31 AM
Subject: Education
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc:

Happy New Year!

We are having a brainstorming meeting this Thursday (2pm Flint) regarding the critical role of education in regards to the lead exposure. The small meeting (15ish people) will include pediatricians, Mott Foundation, Sen Peters staff, pastors, MSU, Flint superintendent, and county early education folks.

We would welcome anyone from Michigan Department of Education - I was thinking about reaching out to Susan Broman from the Office of Great Start. But let me know what you think may be best.

Thanks! Mona

Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
Mhanna1@hurleymc.com

MICHIGAN
Department of
Education

From: Whiston, Brian (MDE)
Sent: Tuesday, January 05, 2016 6:37 PM
To: Baird, Richard (GOV)
Subject: Re: Flint

Yes Kyle will attend if you need me to I can re-arrange my schedule. Bw

Sent from my iPhone

On Jan 5, 2016, at 12:53 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> Brian,
>
> Would you consider having someone from MDE attend? Dr. Mona is at the center of our planning for remediation in light of the Flint water emergency. Happy to talk real time.
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> Thanks,
>
> Rich
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> *Sent from my Verizon Wireless 4G LTE DROID*
> ---------- Forwarded message ----------
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> Date: Jan 5, 2016 10:31 AM
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> To: "Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
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Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
Mhanna1@hurleymc.com

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Tuesday, April 15, 2014 4:29 PM
Subject: PRESS RELEASE: City of Flint Water Presentations
Attachments: Water.Presentations.4.17.2014.pdf

For Immediate Release

City of Flint to Hold Special Public Presentations on Water Ahead of Planned Switch to Flint River as City's Water Source

Flint, Michigan – April 15, 2014 – The City of Flint will be holding two separate public presentations on the topic of water on Thursday, April 17, 2014. There will be a forum for Flint restaurateurs held at 3:00pm inside Café Rhema at 432 S. Saginaw Street in which local managers and owners can address any concerns on the river's use. An informational presentation for the general public will then be held at 5:30pm inside the City Council Chambers of Flint City Hall. That event will include a panel of City of Flint officials as well as John O'brien from the Genesee County Drain Commissioner's office and a representative from the Raftelis Financial Consulting firm.

Use of the river, upgrades and maintenance required for the water and sewer infrastructure and the overall cost of the system will be addressed in the presentation. Last week, the Raftelis firm presented the findings of a water and sewer rate study undertaken at the request of Emergency Manager Darnell Earley to the Flint City Council Public Works Committee.

"The results of the study, along with items related to the use of the river for the period during which the KWA pipeline is built, will be included in this comprehensive view of the present and future of the City's water service system and what will be required to maintain its operation long term," said Emergency Manager Darnell Earley. "We have a strategic vision of how to preserve and improve upon that service and plan on sharing it with the people of Flint." Both events come as the City prepares to begin using the Flint River as its primary source, which is scheduled to occur sometime after this Thursday.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Darnell Earley
ICMA-CM, MPA
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

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–CONTINUE–

Darnell Earley
ICMA-CM, MPA
Emergency Manager

Dayne Walling
Mayor

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–END–

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Thursday, April 17, 2014 12:23 PM
Subject: MEDIA ADVISORY: Water Plant Photo Op

MEDIA ADVISORY: Water Treatment Plant Drawing from Flint River Photo Opportunity

WHEN: Thursday, April 17, 2014 at 2:00pm

WHERE: Flint Water Treatment Plant, 4500 N. Dort Hwy., at Stewart Ave.

DETAILS: Join us for an historic event as Flint's Water Treatment Plant begins drawing Flint River water for treatment and softening. This is the next major step towards using the Flint River as a primary water source for the first time in almost 50 years and a major step in securing Flint's water independence.

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Saturday, September 06, 2014 10:20 PM
Subject: Fwd: Boil Water Update
Attachments: Scan028.PDF

Please see attached.

--
Brent Wright
Water Plant Supervisor
City of Flint
4500 N. Dort Hwy.
Flint, MI 48505
Ph: 810.787.6537 ext. 3510
Fx: 810.787.3710

LOCALIZED DRINKING WATER WARNING

Coliform bacteria detected in localized area of Flint water system
BOIL YOUR WATER BEFORE USING

Our water system detected the presence of coliform bacteria in the water supply on September 3, 2014. We routinely monitor for the presence of drinking water contaminants. We took routine samples for coliform bacteria during on September 2, 2014 from all sampling locations throughout the city. The location near Flushing Road and Chevrolet Avenue showed the presence of coliform bacteria. We took three repeat samples at this location and at adjacent locations on September 3 and again on September 4, 2014. Two of the three samples on the 3rd showed the presence of total coliform bacteria and three of the three samples collected on the 4th in this same area showed the presence of total coliform bacteria. On September 5th two of three sample showed presence of total coliform bacteria. **Updated area of ML King and Pasadena.** On September 4th one sample showed presence of total coliform bacteria. On September 5th two of the three samples at adjacent locations showed presence of total coliform bacteria. All other monitoring locations in the City continue to show no presence of Coliform bacteria.

What should I do?
DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST. Bring all water to a boil, let it boil for one minute, and let it cool before using, or use bottled water. Boiled or bottled water should be used for drinking, making ice, brushing teeth, washing dishes, and preparing food. Boiling kills bacteria and other organisms in the water. **Continue using boiled or bottled water until further notice.** This boil notice is limited to the area bordered by Dayton Street (north), DuPont Street (east), Flint River (south), and LaVelle Road to Flint River (west).
The current boil water notice is being expanded to the north. This boil water notice is being expanded to the area bordered by Stewart Ave. (north), Saginaw (east), Hamilton Ave (south), and Clio Rd (west).

If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

What does this mean?
Total coliform bacteria are generally not harmful themselves. *Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present.*

Usually, coliforms are a sign that there could be a problem with the treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or E. coli, are present. We did not find any of these bacteria in our subsequent testing. If we had, we would have notified you immediately. However, we are still finding coliforms in the drinking water.

2310

CERTIFICATION: WSSN: «WSSN»

I certify that this water supply has fully complied with the public notification requirements in the Michigan Safe Drinking Water Act, 1976 PA 399, as amended, and the administrative rules.

Signature	Title	Date Distributed
[signature]	Plant Supervisor	9/6/2014

Reminder to water supplier: This notice / certification must be sent to the DNRE.

What happened? What is being done?
We are still detecting coliform bacteria. We will inform you when our sampling shows that no bacteria are detected. We are flushing the system and increasing the chlorine residual within the affected area. We anticipate resolving the problem within the next two to three days. In the meantime, please continue using boiled or bottled water until we notify you otherwise.

If you have questions, you may contact Mr. Brent Wright of the City of Flint at 810-787-6537,bwright@cityofflint.com , 4500 North Dort Highway, Flint MI. 48505 or Daughtry Johnson, Utilities Administrator
(810) 766-7135, ext. 2602. General guidelines on ways to lessen the risk of infection by microbes are
available from EPA's Safe Drinking Water Hotline at 1-800-426-4791.

2310

CERTIFICATION: WSSN: «WSSN»

I certify that this water supply has fully complied with the public notification requirements in the Michigan Safe Drinking Water Act, 1976 PA 399, as amended, and the administrative rules.

Signature	Title	Date Distributed
	PLANT Supervison	9/6/2014

Reminder to water supplier: This notice / certification must be sent to the DNRE.

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Monday, September 08, 2014 5:46 PM
To: WNEM; ABC12news; Flint Journal; NBC25 Newsroom; Ron Fonger
Subject: PRESS RELEASE: Boil Water Advisory Extended
Attachments: Boil Water Advisory 9.8.2014.pdf

For Immediate Release

City of Flint Boil Water Advisory Remains in Effect for Previously Identified Area

Flint, Michigan – September 8, 2014 – The City of Flint's Utilities Department has extended both of the boil water advisories from Friday and Saturday for a portion of the city. Friday's boil water advisory is in effect for the area bordered by Dayton Street on the north, DuPont Street on the east, the Flint River on the south, and by Lavelle Road (to the Flint River) on the west. Saturday's boil water advisory also covered the area bordered by Stewart Ave. (north), Saginaw (east) Hamilton Ave (south), and CIio Rd (west). This remains a localized issue to those portions of the city.

The Utilities Department believes that due to the low usage and demand of the area, water remains in the system for a longer period of time compared to the rest of the city. The City of Flint Utilities Department is increasing the chlorine added to water in the area, and to improve water circulation, will continue flushing the system in that part of the city. Residents can expect to see open hydrants in the area. The City of Flint will continue to aggressively investigate this issue until it has been corrected.

The Utilities Department has opted to keep the advisory in effect until the results of a citywide sampling taken today are known. This advisory is a precautionary measure to ensure the safety of drinking water for city residents. Residents in the area should continue to boil water or use bottled water for drinking, making ice,

brushing teeth, washing dishes, and preparing food until further notice. Boiling the water kills bacteria or other harmful organisms.

Total coliform bacteria are generally not harmful themselves. Coliforms are bacteria

which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria *may be present.* Usually, coliforms are a sign that there could be a problem with the treatment or distribution system (pipes).

Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or E. coli, are present. We did not find any of these bacteria in our subsequent testing. If we had, we would have notified you immediately. However, we are still finding coliforms in the drinking water.

All water testing results at the City of Flint Water Treatment Plant have shown the City's drinking water meets all Safe Water Drinking Standards and this remains a localized problem. Testing of the drinking water is a part of the routine process for ensuring the quality and safety of the system which happens weekly at ten different sites around the city. Anyone with questions about the advisory or any other water issues should call 810-787-6537.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
DARNELL EARLEY
ICMA-CM, MPA

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

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–CONTINUE–

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
DARNELL EARLEY
ICMA-CM, MPA

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–END–

City Hall
1101 S. Saginaw Street - Flint, Michigan 48502
810-766-7346 FAX: 810-766-7218 www.cityofflint.com

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Tuesday, September 09, 2014 5:15 PM
To: Jason Lorenz
Subject: Re: PRESS RELEASE: Boil Water Advisory Lifted
Attachments: Recent Boil Water Notice Lifted 9.9.14.pdf

PLEASE SEE ATTACHED.

Thank You.

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

On Tue, Sep 9, 2014 at 4:36 PM, Jason Lorenz <jlorenz@cityofflint.com> wrote:

For Immediate Release (Official Signed Notice to Follow)

City of Flint Boil Water Advisory Lifted

Flint, Michigan – September 9, 2014 – The City of Flint's Utilities Department and the DEQ have lifted both of the boil water advisories from this week for a western portion of the city. Testing results from all areas of the city confirm that the water is safe for all purposes. "The investigation into the cause of the boil water advisories continues," said Emergency Manager Darnell Earley, "we will share the results from that investigation once it is available."

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039

jlorenz@cityofflint.com

CITY OF FLINT

Department of Public Works

Dayne Walling
Mayor

Darnell Earley, ICMA-CM, MPA
Emergency Manager

Howard Croft
Director

Date: September 9, 2014

RECENT BOIL WATER NOTICE LIFTED

It is no longer necessary to use bottled water or boil water before drinking it. No coliform bacteria have been detected in follow-up testing of the system's water. This, in addition to treatment and adjustments made to the system, indicates that the water is now safe to drink.

Customers with questions or concerns about the water should contact Adam Rosenthal, Michigan Department of Environmental Quality 517-335-9715 or for more information, please contact Brent Wright of City of Flint Water Treatment Plant at 810-787-6537, bwright@cityofflint.com .

4500 N. Dort Hwy
Flint, MI 48505

This notice is being sent to you by City of Flint, Water Supply serial number 2310.

Howard D. Croft
Public Works Director

From: Jason Lorenz [jlorenz@cityofflint.com]
Sent: Monday, December 15, 2014 4:18 PM
Subject: PRESS RELEASE: KWA Intake Installed at Water Treatment Plant
Attachments: KWA Intake 1.png; KWA Intake 2.png; KWA Intake Installation at Water Plant Dec.2014.pdf

For Immediate Release

City of Flint Takes a Step Closer to KWA Preparedness with a Crucial Upgrade to the Water Treatment Plant

Flint, Michigan – December 15, 2014 – The City of Flint has this week taken a big step toward the eventual transition to use of the Karegnondi Water Authority Pipeline with a much needed upgrade to the City's Water Treatment Plant. A large 36" connection line which will serve as the main feed to the plant from the new pipeline was installed over the weekend of December 6, 2014. "This massive undertaking was done without interruption of service to customers and ahead of its scheduled completion," said Department of Public Works Director Howard Croft.

"The installation of the intake section to the water treatment plant represents a key portion of the City of Flint's transition to using the KWA for our water needs," said Utilities Administrator Daugherty Johnson. "Once construction on the KWA pipeline reaches Flint, the City will have the necessary connection in place to begin receiving and treating Lake Huron water." Along with other critical upgrades to the plant in the past two years, the intake installation brings Flint one step closer to having direct control over all of its water system needs. The KWA pipeline is expected to reach Flint by summer of 2016.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Darnell Earley
ICMA-CM, MPA
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
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For Immediate Release

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–END–

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Tuesday, January 06, 2015 8:37 AM
Subject: MEDIA ADVISORY: Press Conference on Progress of Water System Plan

MEDIA ADVISORY: Press Conference on Continuing Progress for the Flint Drinking Water System Comprehensive Plan.

WHEN: Tuesday, January 6, 2015 at 2:00pm

WHERE: Flint Water Treatment Plant, 4500 N. Dort Hwy.

WHO: DPW Director Howard Croft, Utilities Administrator Daugherty Johnson and Licensed Operators of the Water Treatment Plant

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Modified: Thu 2/11/2016 11:22 PM

Dr. Mona Water TF

10/14 GM switched off water
Lead wasnt restricted in plumbing til 1986
2/15 high levels lead detected
5 ug/dl is max used to be 10 in 2012
an increase in bll from 1 to 4 ug/dl means IQdrop of 3.7 pts
increased likelihood of violent behaviouurs
boiling advisories for ecoli concentrates lead in the water
we dont know how many kids had lead ingested with formula because by the time we get them--half life of lead is short
increased risk of fetal deaths
there is seasonality to warmth of pipes for lead leeching
We geocoded all kids getting flint water and they had a doubling of pct. from 2.4 to 4.9
9 wards in city of flint
ward 5 and 6 went tripled
ward 6 says 28%--where any test exceeded 5 ppb
mapping of water quality from water dept. correlates to PPB elevated findings for person testing

flint was already higher than outstate
lead casuing methanation in DNA
taking all kids under 6, who lived in flint at any time from 4/14 to whenever end date. then extyend nine months for unborns--in to0tal should be 8=9,000 kids

Adverse Childhood Experiences (ACEs)
ACE score of 6 or more by 6 years old equals 20 year decrease in life expectancy
ACE disrupts neural pathways
Hurley is doing every test imaginable

NEED Heavy focus on Communications
We do not know when anti corrosive
Flint water

Still way too many homes without filters
when to be replaced
transportation

What are the evidence based interventions?
Medical Health--support to primary care providers--need long term neurodevelopmental screenings and testing
Access to Specialists Development and Behavioral specialist
Trauma informed care

Consider health fund enrollment. Expand Medicaid HMO--we want folks to come to their medical provider enhance transportation
They need to help drive patients to providers
Hurley Childrens clinic is atop a farmers market
Nutrition is critical. Iron deficiencies cause lead to be taken in more readily
Flint is a food desert--no grocery stores
Why are 1/3 of families eligible for WIC not enrolled
Iron Calcium Vitamin C diets
Nutrition
Huge wait list for early-on
Early on is 0-3 and is assessment oriented
The 130 million for preschool guarnatees seats for every 4 year old.
Flint doesn't have school nurses
Place more pathways to potential folks in flint
SNAP Ed can enhance education

Subject: Flint Water Advisory Task Force - Default Weekly meeting
Location: PSC Offices - 230 Washington St. - Lansing

Start: Wed 11/4/2015 9:30 AM
End: Wed 11/4/2015 11:30 AM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Eric Rothstein

When: Occurs every Wednesday from 9:30 AM to 11:30 AM effective 11/4/2015 until 2/3/2016. (UTC-05:00) Eastern Time (US & Canada)
Where: PSC Offices - 230 Washington St. - Lansing

~~*~*~*~*~*~*~*~*

From: Eric Rothstein [redacted]
Sent: Saturday, December 19, 2015 3:57:22 PM
To: 'Eric Rothstein'; Laurence Reynolds; Baird, Richard (GOV); Matthew M. Davis; Ken Sikkema; Chris Kolb; Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force - Default Weekly meeting

When: Wednesday, January 06, 2016 9:30 AM-11:30 AM. (UTC-05:00) Eastern Time (US & Canada)
Where: Michigan Environmental Council, 602 W. Ionia, Lansing, MI 48933

~~*~*~*~*~*~*~*~*

I would like to dial in too.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Chris Kolb <{HYPERLINK "[redacted]
Date: Jan 5, 2016 12:15 PM
Subject: Re: Flint Water Advisory Task Force Meeting
To: "Clayton, Stacie (GOV)" <{HYPERLINK "mailto:claytons3@michigan.gov" }>
Cc: "Hollins, Harvey (GOV)" <{HYPERLINK "mailto:hollinsh@michigan.gov" }>,"Baird, Richard (GOV)" <{HYPERLINK "mailto:bairdr@michigan.gov" }>

Attached please find a draft agenda. It has the call-in information on it, and I have included it below:

Call In Number: [redacted]
Access Code: [redacted]

If the is a problem connecting have Harvey call my cell phone [redacted] or the office number (517) 487-9539.

If you have any questions regarding this matter, please feel free to contact me.

Thanks!
Chris

To: 'Eric Rothstein'; Ken Sikkema; Chris Kolb; Laurence Reynolds; Matthew M. Davis; Baird, Richard (GOV); Baird, Richard (GOV)

Subject:

From: Baird, Richard (GOV)
Sent: Friday, October 31, 2014 12:08 PM
To: VanSickle, Michele (GOV)
Subject: FW: Thank You!

How about a breakfast since he lives in Lansing.

From: Darnell Earley [mailto:dearley@cityofflint.com]
Sent: Friday, October 31, 2014 11:58 AM
To: Baird, Richard (GOV)
Subject: Re: Thank You!

Thanks...I'll look forward to it!

Darnell Earley, ICMA-CM, MPA
Emergency Manager
Flint, MI

On Fri, Oct 31, 2014 at 11:51 AM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:
Very good! Lets get together after the election. Great work!

Sent from my Verizon Wireless 4G LTE DROID

Darnell Earley <dearley@cityofflint.com> wrote:

Good Morning Rich:

Just as an FYI, we had a very productive meeting. If you would like a briefing, please give me call.

Have a good weekend!
[http://cityofflint.com/images/Signature.jpg][X]
Darnell Earley, ICMA-CM, MPA
Emergency Manager
Flint, MI

---------- Forwarded message ----------
From: Darnell Earley <dearley@cityofflint.com<mailto:dearley@cityofflint.com>>
Date: Fri, Oct 31, 2014 at 11:43 AM
Subject: Thank You!
To: wyantd@michigan.gov<mailto:wyantd@michigan.gov>
Cc: Dayne Walling <dwalling@cityofflint.com<mailto:dwalling@cityofflint.com>>, "Workman, Wayne (TREASURY)" <workmanw@michigan.gov<mailto:workmanw@michigan.gov>>, "Byrne, Randall (Treasury)" <ByrneR1@michigan.gov<mailto:ByrneR1@michigan.gov>>, "Koryzno, Edward (Treasury)" <koryznoe@michigan.gov<mailto:koryznoe@michigan.gov>>, Kelly Rossman-McKinney

<krossman@truscottrossman.com<mailto:krossman@truscottrossman.com>>, Elizabeth Murphy <emurphy@cityofflint.com<mailto:emurphy@cityofflint.com>>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>

Good Morning Director Wyant:

I wanted to take just a moment to thank you and your team for travelling to Flint Wednesday to meet with me, the Mayor, and the Utilities Department staff.

Everyone on our end appreciated the opportunity to meet directly with you and your key staff at the DEQ. We all felt it was a very productive discussion of the many difficult issues facing the City of Flint not only during this transition, but as its own long-term, sustainable water supply and distribution system, leading towards full implementation of the KWA project. As you know Flint is slated to convert to the KWA water source well within the next 18 month timeline. Until that happens however, I think you would agree that we have an excellent opportunity here to send a good, positive message about how the City is managing its water services, and working very closely with your office in the process.

As we discussed, an initial media hit from your office fairly soon would also help us build public confidence through stronger communication on how we are responding to the challenges we encounter, your department's support of our efforts to resolve them, and the resultant potability of the current water source. If there are other next steps you need from us regarding such a media release, please don't hesitate to contact me.

We look forward to our continued partnership in addressing these and other matters critical to environmental quality in the City of Flint and the State of Michigan!

Sincerely,
[http://cityofflint.com/images/Signature.jpg][X]
Darnell Earley, ICMA-CM, MPA
Emergency Manager
Flint, MI

From: Baird, Richard (GOV)
Sent: Wednesday, February 25, 2015 5:53 PM
To: Bob Daddow
Subject: Re: Flint Article

Maybe he can help. He's an expert at treading water and going nowhere.

Sent from my Verizon Wireless 4G LTE DROID
On Feb 25, 2015 5:39 PM, "Daddow, Robert" <daddowr@oakgov.com> wrote:
Just an article to lighten you day up a bit -- Obama has been requested to bail Flint out of their water problems. Fascinating.

From: Daddow, Robert [mailto:daddowr@oakgov.com]
Sent: Wednesday, February 25, 2015 3:36 PM
To: daddowr@oakgov.com
Subject:

From: Baird, Richard (GOV)
Sent: Wednesday, September 30, 2015 11:29 AM
To: Frank Brown
Subject: Re: Flint water background information

I think it's today. Will let you know when I hear something. Thank you for the Flint issue.

Rich

Sent from my Verizon Wireless 4G LTE DROID
On Sep 30, 2015 11:24 AM, "Brown, Frank" <fbrown@generalatlantic.com> wrote:
In process. Will come back to and Harvey when I know more. Am in London. Didn't reach out to Eddie as I think this week is his operation. Have you heard anything?

Frank

Sent from my iPad

On Sep 30, 2015, at 3:34 PM, Baird, Richard (GOV) <bairdr@michigan.gov<mailto:bairdr@michigan.gov>> wrote:

Frank:

We have a situation in Flint, Michigan that is beginning to get national attention and could be an opportunity for Home Depot. 18 months ago, Flint switched its water supply from Detroit Water (the distance and pumping costs of going uphill made it quite expensive) to the Flint River as a temporary answer, until they could finish the construction to get their water from Lake Huron (Karagondi Water System). The corrosive attributes of the River water have exacerbated the lead deposit leaching into homeowner pipes and there is concern around lead poisoning, especially for infants.

The corporate community is rallying to address the problem. Meijer donated 1500 water filters to low income residents and GM is about to announce a donation of between 5,000 and 10,000 filters. I do not yet know where GM is getting the filters from, but I was thinking that Home Depot might want to join the effort with a donation, supply chain discounting assistance, or some combination of activity that could help Flint residents. Harvey Hollins is our point person for this effort, since he is the Director of Urban Initiatives for Governor Snyder. I have copied him here.

If you could get this into the hands of the right people and see if there is interest in speaking with Harvey, I would be very appreciative. Thanks and take care.

Regards,

Rich

From: Murray, David (GOV)
Sent: Wednesday, September 30, 2015 9:35 AM
To: Baird, Richard (GOV)
Subject: Flint water background information

Hi Rich,

These are two documents that I think are helpful addressing the questions about lead and Flint water overall, prepared by DEQ and DHHS. These were intended for internal use, so please ask our partners to not share them beyond the people on their teams making the decisions.

Please let me know if you need anything else.

Dave

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov<mailto:MurrayD1@michigan.gov>
517-335-6397, office
[redacted], mobile
Twitter:@michigandmurray

[Emblem]

<Flint water FAQs (00000004).pdf>
<Sharable Flint Lead TP 092415 (00000002).docx>

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From: Baird, Richard (GOV)
Sent: Wednesday, September 30, 2015 4:53 PM
To: Hollins, Harvey (GOV); Clayton, Stacie (GOV)
Subject: Fwd: Flint water background information

You got this from here?

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Brown, Frank" <fbrown@generalatlantic.com>
Date: Sep 30, 2015 3:53 PM
Subject: Fwd: Flint water background information
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc: aaron_s_bonham@homedepot.com,STACEY_TANK@homedepot.com

Hi all. Figure I will just connect everyone and let you figure out from here. Hope this can result in some help. All the best.

Frank

Sent from my iPad

Begin forwarded message:

From: <Aaron_S_Bonham@homedepot.com<mailto:Aaron_S_Bonham@homedepot.com>>
Date: September 30, 2015 at 6:00:47 PM GMT+1
To: <fbrown@generalatlantic.com<mailto:fbrown@generalatlantic.com>>
Cc: <STACEY_TANK@homedepot.com<mailto:STACEY_TANK@homedepot.com>>
Subject: Flint water background information

Frank,

Received your email from Craig. We would be glad to help.

Can you provide any additional information on filter sizes needed in the area and quantity you might be looking for?

We are also going to look to donate bottled water if that makes sense?

Aaron Bonham
Home Depot
Merchandise Vice President
Department 26 Plumbing
770-384-3947
aaron_s_bonham@homedepot.com<mailto:aaron_s_bonham@homedepot.com>
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From: Baird, Richard (GOV)
Sent: Friday, October 02, 2015 10:13 AM
To: Robert J Daddow
Subject: Fwd: follow up

fyi

Sent from my iPad

Begin forwarded message:

> **From:** "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>
> **Date:** October 2, 2015 at 10:10:36 AM EDT
> **To:** "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>
> **Cc:** "Khouri, Nick (TREASURY)" <KhouriN@michigan.gov>, "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov>
> **Subject: Re: follow up**
>
> I think that Bob Daddow, Rich Baird and Mike Duggan have something to do with the more "reasonable" approach. The Mayor in particular is very concerned about the issues of a fellow community and Daddow is perhaps the finest public administrator in the state. So, their involvement and Rich's management skills are powerful forces.
>
> On Oct 1, 2015, at 8:25 PM, Saxton, Thomas (Treasury) <SaxtonT@michigan.gov> wrote:
>
> > Dennis - in response to your earlier email; Wayne's guys came up with a ballpark estimate for reconnecting to DWSD. Let me emphasize 'ballpark'. They used your assumptions & they talked to Natasha H. after 5:00. Bottom line... the estimated cost is approx $10.5mm to reconnect until June '16.
> >
> > These numbers on their surface seem much improved over previous DWSD $offers. [Is Daddow in the loop on this ?] We need to give some more thought as to whether this is all inclusive. e.g., there might be some costs from turning down operations at the plant
> >
> > I am being told this can happen in a relatively short time i.e., less than a week. Which seems aggressive. Obviously that does not mean the lead concerns nor discolored water, etc goes away in a week. The pipe section they sold to the county won't be an impediment to this deal.

There apparently are no 'upfront' costs we need to worry about. In theory, it seems like it can be paid over the 9-10 months (vs a lump sum). But I am not clear Dennis on those couple ideas/sources the Mayor & Senator mentioned i.e., at this point I am not sure where the $10.5mm comes from.

My guess is we will keep refining this estimate. Let us know if you need anything else. Again, "credit " Wayne's guys for pulling this together quickly.

From: Cline, Richard (Treasury)
Sent: Thursday, October 1, 2015 6:08 PM
To: Saxton, Thomas (Treasury); Koryzno, Edward (Treasury); Byrne, Randall (Treasury)
Subject: RE: follow up

City's usage is 14 MGD/Day

Timeline is 9 months until June 2016

Fixed Cost is $662,100 for 9 months or $5,958,900

Commodity Rate is $501,383/month

Total Monthly Cost is $1,163,483

Cost until June 2016 is $10,471,347

The City does not know the cost to move the water plant into stand-by mode. However, they have indicated that there might be some reduced costs as lower chemical costs will be incurred.

Eric Cline | Department Manager | State of Michigan
Michigan Department of Treasury | Local Government Financial Services Division | Fiscal Responsibility Section
430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
Lansing Office (517) 335-2078 | Cell Phone [redacted] Traverse City Office (231) 922-5228
E-mail cliner1@michigan.gov

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From: Saxton, Thomas (Treasury)
Sent: Thursday, October 01, 2015 6:01 PM
To: Cline, Richard (Treasury) <clinerl@michigan.gov>; Koryzno, Edward (Treasury) <KoryznoE@michigan.gov>; Byrne, Randall (Treasury) <ByrneR1@michigan.gov>
Subject: follow up
Importance: High

I am getting ready to leave… what have you learned ?

From: Baird, Richard (GOV)
Sent: Friday, October 02, 2015 7:12 PM
To: Daddow, Robert J
Subject: Re: follow up

We are setting up a new revolving fund to enable some borrowing I think. I imagine any deal would require stringent terms on monthly payments.

Sent from my iPad

> On Oct 2, 2015, at 3:41 PM, Daddow, Robert J <daddowr@oakgov.com> wrote:
>
> I think you are in the ballpark of what DWSD is thinking - just saw the reference in Gongwers on the State assisting. Where is Walling coming up with his repeated $2M / month number given the below?
>
> What can I do to help?
>
> My only concern is not being stuck with an unpaid bill at the end of the 9 month period. Just being the accountant that I am. RJD
>
> -----Original Message-----
> From: Baird, Richard (GOV) [mailto:bairdr@michigan.gov]
> Sent: Friday, October 02, 2015 10:13 AM
> To: Daddow, Robert J
> Subject: Fwd: follow up
>
> fyi
>
> Sent from my iPad
>
> Begin forwarded message:
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> Date: October 2, 2015 at 10:10:36 AM EDT
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> Cc: "Khouri, Nick (TREASURY)" <KhouriN@michigan.gov<mailto:KhouriN@michigan.gov>>, "Workman, Wayne (TREASURY)" <WorkmanW@michigan.gov<mailto:WorkmanW@michigan.gov>>, "Stanton, Terry A. (Treasury)" <StantonT@michigan.gov<mailto:StantonT@michigan.gov>>
> Subject: Re: follow up
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Let me emphasize 'ballpark'. They used your assumptions & they talked to Natasha H. after 5:00. Bottom line... the estimated cost is approx $10.5mm to reconnect until June '16.
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>
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>
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>
>
> _____
> From: Cline, Richard (Treasury)
> Sent: Thursday, October 1, 2015 6:08 PM
> To: Saxton, Thomas (Treasury); Koryzno, Edward (Treasury); Byrne, Randall (Treasury)
> Subject: RE: follow up
>
>
> City's usage is 14 MGD/Day
>
>
>
> Timeline is 9 months until June 2016
>
>
>
> Fixed Cost is $662,100 for 9 months or $5,958,900
>
>
>
> Commodity Rate is $501,383/month
>
>
>
> Total Monthly Cost is $1,163,483
>
>
>

> Cost until June 2016 is $10,471,347
>
>
>
> The City does not know the cost to move the water plant into stand-by mode. However, they have indicated that there might be some reduced costs as lower chemical costs will be incurred.
>
>
>
> Eric Cline | Department Manager | State of Michigan
>
> Michigan Department of Treasury | Local Government Financial Services Division | Fiscal Responsibility Section
>
> 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
>
> Lansing Office (517) 335-2078 | Cell Phone ([redacted] | Traverse City Office (231) 922-5228
>
> E-mail cliner1@michigan.gov
>
>
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>
>
>
> From: Saxton, Thomas (Treasury)
> Sent: Thursday, October 01, 2015 6:01 PM
> To: Cline, Richard (Treasury) <cliner1@michigan.gov<mailto:cliner1@michigan.gov>>; Koryzno, Edward (Treasury) <KoryznoE@michigan.gov<mailto:KoryznoE@michigan.gov>>; Byrne, Randall (Treasury) <ByrneR1@michigan.gov<mailto:ByrneR1@michigan.gov>>
> Subject: follow up
> Importance: High
>
>
>
> I am getting ready to leave... what have you learned ?

From: Baird, Richard (GOV)
Sent: Thursday, October 08, 2015 11:06 AM
To: Duncan, Nancy (DTMB)
Subject: RE: letter from John O'Brien

Spoke with Daddow this morning. He thinks the 1.3mm per month is a good number. If anything it could be a little less because General Motors pulled out of the system.

From: Duncan, Nancy (DTMB)
Sent: Thursday, October 08, 2015 10:39 AM
To: Saxton, Thomas (Treasury)
Cc: Workman, Wayne (TREASURY); Khouri, Nick (TREASURY); Wyant, Dan (DEQ); Muchmore, Dennis (GOV); Baird, Richard (GOV); Roberts, John (DTMB); Hollins, Harvey (GOV)
Subject: RE: letter from John O'Brien
Importance: High

We're still carrying $12m as the cost to reconnect, and that's the number the Governor is using too. John would like your assessment of the need given the information in this letter. We plan to send a supplemental request to the Legislature for our $6m share this afternoon.

From: Saxton, Thomas (Treasury)
Sent: Wednesday, October 07, 2015 2:43 PM
To: Wyant, Dan (DEQ); Sygo, Jim (DEQ); Muchmore, Dennis (GOV); Roberts, John (DTMB); Baird, Richard (GOV); Lyon, Nick (DHHS); Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY); Khouri, Nick (TREASURY); Duncan, Nancy (DTMB)
Subject: FW: letter from John O'Brien
Importance: High

Here is the letter from the Genesee Co Drain Commission. My interpretation of the contents would be their estimate is $13.2mm (vs the $12mm discussed this morning).

They included their contract with the City. Sec 5.7 references prevailing rates the City would be charged; that is different than the rates reflected in the $13.2mm. So that contract may need to be modified.

They also raise some other items (under *Procedure to Activate Supply* – p.3) that may have cost implications.

From: Baird, Richard (GOV)
Sent: Wednesday, October 21, 2015 3:34 PM
To: Ken Sikkema; Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein
Cc: Anderson, Madhu (DEQ)
Subject: Fwd: Draft Scope - for member review
Attachments: Flint Water Task Force.draftscope.211015.docx

From Madhu...

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Anderson, Madhu (DEQ)" <AndersonM30@michigan.gov>
Date: Oct 21, 2015 1:37 PM
Subject: Draft Scope - for member review
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc: "Wyant, Dan (DEQ)" <WyantD@michigan.gov>,"Lyon, Nick (DHHS)" <LyonN2@michigan.gov>,"VanSickle, Michele (GOV)" <vansicklem2@michigan.gov>,"Murray, David (GOV)" <MurrayD1@michigan.gov>

Rich - The Flint Water Task Force members asked for a draft scope prior to the announcement being made this afternoon. Hopefully, I captured their intent in the attached document. Could you forward this document to the members after you have had a chance to review?

Thanks,

Madhu R. Anderson
Deputy Director, Economic & Strategic Initiatives
☎ 517 284 6702 | 517 290 9653
andersonm30@michigan.gov
DEQ

(DRAFT)
FLINT WATER ADVISORY TASK FORCE
AFTER-ACTION REVIEW

The Flint Water Task Force is an independent advisory panel appointed by Governor Rick Snyder charged with reviewing actions regarding water use and testing in Flint and with offering recommendations for future guidelines to protect the health and safety of all state residents.

The task force expects to summarize its work in a report to be presented to Governor Rick Snyder within ninety (90) days.

GOALS

The Flint Water Task Force's goals are as follows:

- Complete a thorough review of all steps taken by state and local officials regarding the decision to switch the City of Flint's water source to the Flint River from the Detroit Water and Sewerage Department's system (DWSD).
  - Produce a timeline of actions
  - Establish why each action was taken

- Review the roles of the federal, state, and local officials in the decision-making process
  - Identify best practices for federal, state, and local officials to work together in future similar situations
  - Evaluate where coordination between these entities could have been better, and how it could be improved

- Review federal, state, and local actions and protocols
  - Determine whether the proper procedures were followed
  - Identify which procedures should be changed

- Monitor and review the process, procedures, and protocols being followed as the City of Flint returns to the DWSD system
  - Ensure that proper corrosion controls and testing are in place
  - Highlight the appropriate actions that the City of Flint should follow when the future switch is made to the Karegnondi Water Authority's system

- Assess future practices
  - Highlight practices that should change for communities in similar situations
  - Recommend changes in law, procedure, or practice to ensure all Michiganders are drinking safe water

From: Baird, Richard (GOV)
Sent: Monday, October 26, 2015 10:36 PM
To: VanSickle, Michele (GOV)
Subject: Fwd: Re: Goals for Task Force
Attachments: FWATF - Goals_Questions_Work Plan - EPR.docx

Is Wed meeting on my schedule?

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Eric Rothstein <erothste@grg-ltd.com>
Date: Oct 26, 2015 6:44 PM
Subject: Re: Goals for Task Force
To: Ken Sikkema <ksikkema@pscinc.com>,Chris Kolb <chris@environmentalcouncil.org>,Matt Davis <mattdav@med.umich.edu>,Lawrence Reynolds <reynolds@mottchc.org>
Cc: "Baird, Richard (GOV)" <bairdr@michigan.gov>

Y'all,

Without having had an opportunity to review Ken's contribution, I thought I would pass along my initial cut at some thoughts on questions / work plan for your review and consideration. I would like to flesh this out further but this may give some idea of the questions / approach ideas that arose during my weekend reading sessions.

As for agenda ideas, a few items — some of which have already been noted:

- Basecamp orientation (5 min)
- OMA / FOIA review (already identified)
- Protocol for addressing issues that may identify potential liabilities
- Defining how our review differs/complements/ etc the seeming multitude of other reviews
- Calendar

Lastly, a couple of clarifications / apologies regarding Basecamp:

1. By way of apology, I live under the illusion that my home is in Chicago and so my computer is set to Central Standard Time. On my calendar, our meeting on Wed. shows up as 10:00 a.m. but I think Basecamp converted it to 11:00 EST on your machines. My apologies for the confusion — and thanks to Ken for the correction.
2. We have set up 2 projects (so far) in Basecamp. The first is just for us — the Flint Water Advisory Task Force (and Rich B.). I thought this might be useful if we wanted to be able to have exchanges among the core task force membership. The second project, Flint Water Review, includes everyone that was on the earlier distributed roster (and their aides). Sorry for any confusion there.

I will also post the attached to the task force project — and hope to have some further thoughts /revisions tomorrow night.

Please let me know if you have any questions or concerns.

- Eric

Eric P. Rothstein, CPA
GLWA Implementation Planning Program Manager
Galardi Rothstein Group - Principal
3300 N. Lake Shore Drive, Unit 6C
Chicago, IL 60657

iPhone: [redacted]
E-Mail: erothste@grg-ltd.com
Web: www.grg-ltd.com

From: Ken Sikkema <ksikkema@pscinc.com>
Date: Monday, October 26, 2015 at 10:02 AM
To: Chris Kolb <chris@environmentalcouncil.org>, "Matthew M. Davis" <Mattdav@med.umich.edu>, Eric Rothstein <erothste@grg-ltd.com>, Laurence Reynolds <reynolds@mottchc.org>
Cc: Rich Baird <bairdr@michigan.gov>, "Madhu R. Anderson" <AndersonM30@michigan.gov>
Subject: Goals for Task Force

All:

Attached please find my thinking about what should be reviewed under each major goal...I am sure this is not complete and not wedded to any of this, but wanted to get this in front of everyone as you think about it yourself...

Just a reminder....please do something similar and send to Chris and I prior to end of today...also, your thoughts on agenda for Wed am at 10am...

I'm not up-to-speed on BaseCamp yet, so am doing it this way for now...

Thank you.

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

FLINT WATER ADVISORY TASK FORCE
GOALS – POTENTIAL QUESTIONS – WORK PLAN IDEAS

Contribution by Eric Rothstein
Galardi Rothstein Group

NO.	GOAL	QUESTIONS	WORK PLAN
1	**Complete a thorough review of all steps taken by state and local officials regarding the decision to switch the City of Flint's water source to the Flint river from the Detroit Water and Sewerage Department's system (DWSD).** • Produce a timeline of actions • Establish why each action was taken	What was the basis of cost analysis and what independent reviews were conducted to validate investment? Why use of interim supply – disconnect from DWSD before KWA available? How do rules / protocols regarding local control enable discount of regional economies? Why were permits granted with extensive regional over-capacity?	Review cost analysis performed for transfer to KWA. Conduct interviews / review documents supporting / approving water withdrawal permit and KWA investment. Conduct interviews (MDEQ, Flint, DWSD, EPA) to determine reasons for time periods between actions. Review qualifications / expertise of parties involved in decision-making.
2	**Review the roles of the federal, state, and local officials in the decision-making process** • Identify best practices for federal, state, and local officials to work together in future similar situations • Evaluate where coordination between these entities could have been better, and how it could be improved	Why was flag not raised when GM disconnected? Were lessons learned by other industry water source change problems considered? How did MDEQ address Paragraph 5 (c) of its LCR Implementation guidance regarding changes in water source? Sequence, timing of approvals by City, Emergency Manager? Explain Miguel del Toral communication and response?	Interview Marc Edwards, Va Tech and review documentation of timeline presented in "Commentary: *MDEQ Mistakes and Deception Created the Flint Water Crisis*" in Flint Water Updates and "When did state know about lead in Flint water? 6 takeaways from Snyder plan." * Develop more comprehensive timeline that clarifies timing/efforts of City's TAC, MDEQ responses, etc. Review briefing information provided to State / local officials.

DRAFT

3	**Review federal, state, and local actions and protocols** • Determine whether the proper procedures were followed • Identify which procedures should be changed	Why doesn't LCR speak to potential for problems with change in water supply? Are timelines reasonable for circumstances with potential for water chemistry changes? Why does language focus on enabling reduced monitoring rather than focus on high-risk situations? What precipitated the differing statements on Flint's CCT? What information is available on non-water based sources of lead contamination? What was basis for statement that ***elevation*** of levels was not caused by water? Is there an inherent conflict of interest if the water supplier is responsible for selecting sampling sites?	Obtain independent estimates of costs for CCT. (Cornwell of NDWAC quoted as indicating limited cost, but phosphates not preferred due to other WQ effects.) Obtain comparison of MI procedures relative to those used in other states. Obtain documentation of GM withdrawal from use of Flint WTP produced water and responses. Conduct related interviews of GM, City, MDEQ personnel. Interviews / reviews of documentation of testing of WQ and lead levels (e.g., testing of Dr. Mona Hanna-Attisha showing spike in blood-lead levels in Flint children).
4	**Monitor and review the process, procedures, and protocols being followed as the City of Flint returns to the DWSD system** • Ensure that proper corrosion controls and testing are in place • Highlight the appropriate actions that the City of Flint should follow when the future switch is made to the Karegnondi Water Authority's system	Obtain Action Plan details and review protocol of EPA, MDEQ, etc. NDWAC review – and consideration of lessons learned from DC Water, other utilities).	

DRAFT

5	**Assess future practices** • Highlight practices that should change for communities in similar situations • Recommend changes in law, procedure, or practice to ensure all Michiganders are drinking safe water	How to promote optimization of regional excess capacity? How to ensure more timely response in cases where potential problems identified? What is basis for 2 six-month monitoring periods (seeming to invite 1 year or more of unattended problem?) Why are high-risk populations / sites (e.g., schools, hospitals) not subject to specific testing in standard protocol?

* *Also ENR. Com (10/11/20) "Many Missed Opportunities To Fix Water Crisis in Flint, MI.*

DRAFT

From: Baird, Richard (GOV)
Sent: Monday, November 16, 2015 12:01 PM
To: 'Ken Sikkema'
Subject: FW: Rep. Kildee Update Letter and Health Fund Request
Attachments: 111315 Update and Health Fund Request (Snyder).pdf; 10-6-2015 Response - Kildee.pdf

Ken:

Bill McBride in our DC office told me of this letter received from Congressman Kildee and I asked to receive a copy to share with you and the TF. Also attached is a copy of the EPA's letter to Congressman Kildee related to funding sources for lead piping remediation. The State is working very closely with the City and in fact had a very good meeting with Mayor Weaver last week.

Regards,

Rich

From: Mcbride, Bill (GOV)
Sent: Monday, November 16, 2015 9:31 AM
To: Baird, Richard (GOV)
Subject: FW: Rep. Kildee Update Letter and Health Fund Request

DANIEL T. KILDEE
5TH DISTRICT, MICHIGAN

COMMITTEE ON
FINANCIAL SERVICES

SUBCOMMITTEE ON
HOUSING AND INSURANCE

SUBCOMMITTEE ON
MONETARY POLICY AND TRADE

SENIOR WHIP

DEMOCRATIC POLICY AND
COMMUNICATIONS COMMITTEE

Congress of the United States
House of Representatives
Washington, DC 20515

WASHINGTON OFFICE

227 CANNON HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-3611
(202) 225-6393 (FAX)

DISTRICT OFFICE

111 EAST COURT STREET #3B
FLINT, MI 48502
(810) 238-8627
(810) 238-8658 (FAX)

WWW.DANKILDEE.HOUSE.GOV
/REPDANKILDEE
@REPDANKILDEE

November 13, 2015

Governor Rick Snyder
Executive Office of the Governor
P.O. Box 30013
Lansing, Michigan 48909

Governor Snyder:

I would like to provide you an update with some of the work we are doing in response to your letter on October 2, 2015 letter. I also have three requests of the state that are necessary to provide relief to the victims of the Flint water crisis.

First, Senator Stabenow, Senator Peters and I wrote a letter to the U.S. Environmental Protection Agency (EPA) asking for clarification on whether federal law permits states to use Safe Drinking Water State Revolving Funds (Revolving Funds) to finance the replacement of privately owned lead water service lines (attached). The EPA responded that the Revolving Funds can in fact be used for this purpose. My office immediately notified both your office and the Michigan Department of Environmental Quality of this fact.

Secondly, the three of us also wrote to Secretary Tom Vilsack requesting that the U.S. Department of Agriculture (USDA) provide greater clarification on the availability of "Ready to Feed" formula for recipients of Special Supplemental Nutrition Program for Women, Infants and Children (WIC) in Flint. Additionally, the letter asks to identify resources to improve the nutrition of Flint residents specifically as it relates to lead, because a certain diet can reduce some of the impact of exposure. The USDA is currently reviewing the letter.

Third, I have been working with the EPA on important revisions to the Lead and Copper Rule that would prevent a public health crisis like the one in Flint from happening again in other communities. I will be providing testimony at a meeting of the National Drinking Water Advisory Council next Wednesday, November 18 on what we have learned firsthand in Flint and the necessary improvements to the Lead and Copper Rule.

I will continue to pursue all of these avenues in order to find assistance for the people of Flint. There are, however, additional steps that need to be taken to remediate the damage done to the people of Flint due to the failures at the state government level, alongside the forgiveness of Flint's Revolving Funds loan debt if that becomes available. I urge state and local partners to work in coordination to fulfill the following requests.

- First, I request that the state of Michigan use its Revolving Funds and other state resources such as the rainy day and general funds to repair the damage done to Flint's water distribution system.

Due to the corrosive nature of the water, conservative estimates show there has been hundreds of millions of dollars of damage done to Flint's water distribution system. The damage to the system will increase maintenance costs resulting in higher rates for Flint water users, who already are burdened by the highest water rates in the state. Furthermore, the presence of over 15,000 lead service lines continues to threaten the quality of the water and creates the potential for future lead exposure through drinking water. As stated previously, the EPA has said that using the Revolving Funds for this purpose is allowed under federal law, and I request the state do so.

- Second, I request the state create a fund for ongoing assistance to the people of Flint to respond to the impacts of lead exposure.

The effects of lead are serious and permanent, with especially harmful impacts on young children and those with weakened immune systems. In discussions with health professionals, they have expressed the need for significant investments in the local health system in order to respond to the widespread exposure of lead to the people of Flint, including monitoring of future lead exposure. This fund should include support for, at a minimum, continuous health monitoring, early education programs, nutrition education, support services for children to succeed in school, and continued exposure prevention efforts. The investments we make now to combat the negative impacts of lead exposure will pay dividends in avoided costs in the future.

- Finally, I again ask that the state immediately reverse course and rescind Flint's obligation to provide $2 million for the cost of connecting to the Detroit water system and refund any money the city of Flint has had to pay.

Requiring a financially distressed city and its people to pay for the state's failures is an abdication of clear responsibility by the state. The state-appointed emergency manager was in charge of the city of Flint during the time that the decision to leave the Detroit system was made. The state – not Flint – created this water crisis, and the state needs to pay to fix it. The $2 million Flint spent to reconnect to the Detroit water system could be used for many other essential services in Flint, such as hiring policemen and firefighters, improving schools and maintaining parks.

In addition to state investments, I encourage the state to request assistance from federal agencies. They have extensive experience working with health, education and nutrition systems nationwide and could provide critical resources to state officials. Specifically, the Centers for Disease Control and Prevention has offered resources if the state requests it. I will work to support any efforts for federal assistance the state makes.

I look forward to working with the state and federal governments to not only provide clean drinking water to the people of Flint immediately, but also repair the damage done to the city's water system and give local health professionals the resources they need to combat the long term impacts of lead exposure.

Sincerely,

Dan Kildee
MEMBER OF CONGRESS

Cc:
Senate Republican Leader Arlen Meekhof
Senate Democratic Leader Jim Ananich
Speaker of the House Kevin Cotter
House Democratic Leader Tim Greimel

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF WATER

OCT 2 8 2015

The Honorable Dan Kildee
House of Representatives
Washington, D.C. 20515

Dear Congressman Kildee:

Thank you for your October 6, 2015, letter asking whether federal law permits a state to use the Drinking Water State Revolving Fund to finance the replacement of privately owned lead water service lines.

Drinking Water State Revolving Fund loans can be used to finance lead service line replacement on public and private property, provided the loans are made to an eligible entity in accordance with the Safe Drinking Water Act to protect public health, and all other Drinking Water State Revolving Fund requirements are met. The eligible entity in this case is the Flint community water system. The U.S. Environmental Protection Agency is actively discussing the option of using the Drinking Water State Revolving Fund for lead service line replacement with the Michigan Department of Environmental Quality and the City of Flint.

Again, thank you for your letter. If you have further questions, please contact me or your staff may contact Cathy Davis in the EPA's Office of Congressional and Intergovernmental Relations at Davis.CatherineM@epa.gov or (202) 564-2703.

Sincerely,

Kenneth J. Kopocis
Deputy Assistant Administrator

From: Baird, Richard (GOV)
Sent: Thursday, November 26, 2015 12:33 PM
To: Etue, Kriste (MSP)
Subject: Re: Fwd: Flint

And to you! Boss wants us to work through this without a disaster declaration if poss. Dan and Nick and I are working on it.

Sent from my Verizon Wireless 4G LTE DROID
On Nov 26, 2015 9:57 AM, "Etue, Kriste (MSP)" <EtueK@michigan.gov> wrote:
First before anything... Happy Thanksgiving! (I count my blessings every day and know that I'm thankful for having you in my life.)

Second... Any news on Flint water situation. I have Capt. Kelenske watching this closely. Note his email below.

Sent from my iPhone

Begin forwarded message:

From: "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
Date: November 25, 2015 at 9:36:44 PM EST
To: "Etue, Kriste (MSP)" <EtueK@michigan.gov>
Cc: "Gorski, Gary (MSP)" <GorskiG@michigan.gov>
Subject: Flint

Col

Thus far we have heard nothing reference to Flint putting an emergency declaration in place. Below is a link to a show called Current State. The new mayor mentions they need a disaster declaration.

http://wkar.org/post/new-flint-mayor-disaster-declaration-key-solving-water-crisis#stream/0

Sent from my iPhone

From: Baird, Richard (GOV)
Sent: Friday, December 04, 2015 11:55 AM
To: Nick Lyon
Subject: Per my text

Excerpt…

One primary concern we have at this point is that the current efforts appear to be taking place in the absence of a larger framework which measures results and the impact of these efforts. We believe this larger framework should address the following:

1. The need for MDHHS and MDEQ—and, possibly, other state agencies--to set **goals** for actions in collaboration with local and federal agencies and organizations.
2. The need for a set of corresponding **timelines** for the goals.
3. The need to establish **responsibility** for meeting the goals in a timely fashion and for **contingency plans** for the state if the goals are not being met.
4. The need for clear, regular **communication** with the Flint community and stakeholder groups regarding action steps and updates.

We also believe it important that a single person or entity—independent of any one particular state agency—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood "dashboard" should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard.

We believe it is vitally important that trusted members of the Flint community be engaged in communication on this issue, as well as the distribution of information conveyed by our suggested dashboard reporting. Accordingly, in advance of our final report, we would like to ensure the independent coordinator suggested above engage trusted community groups to begin rebuilding community trust in state actions.

From: Baird, Richard (GOV)
Sent: Friday, December 04, 2015 12:29 PM
To: 'Ken Sikkema'
Subject: RE: Draft Letter
Attachments: KRS version of Snyder Letter 2.docx

From: Ken Sikkema [mailto:ksikkema@pscinc.com]
Sent: Friday, December 04, 2015 11:41 AM
To: Baird, Richard (GOV)
Subject: Draft Letter

FYI

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

Dear Governor Snyder:

On Wednesday, November 18, 2015, the Flint Water Advisory Task Force met with several members of the Michigan Department of Health and Human Services (MDHHS) to discuss elements of the 10-point Action Plan designed to address various issues related to the recent occurrence of elevated levels of lead in the Flint water supply. This discussion was held at our request as part of our task to make recommendations to prevent a similar occurrence in Flint or elsewhere, and also to monitor ongoing mitigation efforts. We also met with staff of the Michigan Department of Environmental Quality (MDEQ) on that same day, but at a separate meeting.

Subsequent to those meetings, on Tuesday, November 24, 2015, members of the Task Force participated in a conference call with yourself and several members of the Administration to discuss the progress to date on the 10-point Action Plan, as well as several other related issues.

We want to acknowledge the steps that have already been taken to implement the action plan, specifically in the areas of outreach efforts to facilitate blood lead testing for children, communication with health care providers in the Flint community about the importance of testing children for lead, and the training of additional public health nurses in the Genesee County Health Department. We do believe, however, that additional steps need to be taken to reach additional children for blood lead testing, assure proper follow-up with children found to have elevated blood lead levels, and to continue water testing, given the potential for disruption of the lining of lead service lines. We will continue to assess state and local efforts and make recommendations regarding specific steps that we believe are warranted.

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One primary concern we have at this point is that the current efforts appear to be taking place in the absence of a larger project coordination framework which measures results and the impact of these efforts. We believe the state is best positioned to facilitate this larger framework should address the following:

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1. The need for MDHHS and MDEQ—and, possibly, other state agencies--to set **goals** for actions in collaboration with local and federal agencies and organizations.
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We also believe it important that a single person or entity—potentially independent of any one particular state agency—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood "dashboard" should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard.

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independent coordinator suggested above engage trusted community groups to begin rebuilding community trust in state actions.

We appreciate your personal interest in this issue, commitment to assisting the Task Force in our review, and—most importantly—commitment to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully yours,

Flint Water Advisory Task Force

From: Baird, Richard (GOV)
Sent: Friday, December 04, 2015 12:47 PM
To: 'Ken Sikkema'
Subject: FW: Draft Letter
Attachments: KRS version of Snyder Letter 2.docx

Ken---use this one---I beefed up the independent project coordinator piece a little.

Rich

From: Baird, Richard (GOV)
Sent: Friday, December 04, 2015 12:29 PM
To: 'Ken Sikkema'
Subject: RE: Draft Letter

From: Ken Sikkema [mailto:ksikkema@pscinc.com]
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Subject: Draft Letter

FYI

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

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4. The need for clear, regular **communication** with the Flint community and stakeholder groups regarding action steps and updates.

We also believe it important that a single person or entity—potentially independent of any one particular state agency and mutually agreeable to this Task Force and you, Governor—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood "dashboard" should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard.

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independent coordinator suggested above engage trusted community groups to begin rebuilding community trust in state actions.

We appreciate your personal interest in this issue, commitment to assisting the Task Force in our review, and—most importantly—commitment to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully yours,

Flint Water Advisory Task Force

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 3:49 PM
To: Manolakoudis, Virginia (GOV)
Subject: FW: Flint Water Advisory Task Force Recommendation
Attachments: KRS version of Snyder Letter 2 (1).docx

From: Ken Sikkema [redacted]
Sent: Monday, December 07, 2015 3:31 PM
To: Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein; Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force Recommendation

Dear Governor Snyder:

We want to thank you for the recent conference call between members of the Flint Water Advisory Task Force (FWATF), yourself, and members of your administration. Attached is a follow-up letter to that conference call outlining an initial set of recommendations that we believe should be implemented in the very near future to focus the state's efforts to protect the public health in Flint.

We both acknowledge and appreciate your personal interest in this issue and your commitment, not only to assisting the Task Force in our review, but--most importantly--to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully,

Ken Sikkema

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
k[redacted]

December 7, 2015

Dear Governor Snyder:

On Wednesday, November 18, 2015, the Flint Water Advisory Task Force met with representatives of the Michigan Department of Environmental Quality (MDEQ) and the Michigan Department of Health and Human Services (MDHHS) to discuss elements of the 10-point Action Plan designed to address various issues related to the ongoing public health protection challenges precipitated by lead in the Flint water supply. These discussions were held at our request as part of our task to make recommendations to prevent a similar occurrence in Flint or elsewhere, and also to monitor ongoing mitigation efforts.

Subsequent to those meetings, on Tuesday, November 24, 2015, members of the Task Force participated in a conference call with yourself, members of the Administration, and representatives of these agencies to discuss the progress to date on the 10-point Action Plan, as well as several other related issues.

We want to acknowledge the steps that have already been taken to implement the action plan, specifically in the areas of outreach efforts to facilitate blood lead testing for children, communication with health care providers in the Flint community about the importance of testing children for lead, and the training of additional public health nurses in the Genesee County Health Department. We do believe, however, that additional steps need to be taken to reach additional children for blood lead testing, assure proper follow-up with children found to have elevated blood lead levels, and to continue water testing. We will continue to assess state and local efforts and make recommendations regarding specific steps that we believe are warranted.

One primary concern we have at this point is that the current efforts appear to be taking place in the absence of a larger project coordination framework that measures results and clearly delineates responsibilities for continuing actions to protect public health. We believe the state is best positioned to facilitate this larger framework, which should address the following:

1. The need for MDHHS and MDEQ—and, possibly, other state agencies--to set **goals** for actions in collaboration with local and federal agencies and organizations.
2. The need for a set of corresponding **timelines** for the goals.
3. The need to establish **responsibility** for meeting the goals in a timely fashion and for **contingency plans** for the state if the goals are not being met.
4. The need for clear, regular **communication** with the Flint community and stakeholder groups regarding action steps and updates.

We also believe it important that a single person or entity—potentially independent of any one particular state agency and mutually agreeable to this Task Force and you, Governor—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood “dashboard” should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard.

We believe it is vitally important that trusted members of the Flint community be engaged in communication on this issue, as well as the distribution of information conveyed by our suggested dashboard reporting. Accordingly, in advance of our final report, we would like to ensure the independent coordinator suggested above engage trusted community groups to begin rebuilding community trust in state actions.

We appreciate your personal interest in this issue, commitment to assisting the Task Force in our review, and—most importantly—commitment to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully yours,

Flint Water Advisory Task Force:

Dr. Matt Davis

Chris Kolb

Dr. Larry Reynolds

Eric Rothstein

Ken Sikkema

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 4:51 PM
To: 'Murray, David (GOV)'
Subject: RE: Flint Water Advisory Task Force Recommendation

I gave them the same recommendation. Governor is going to have to respond though.

From: Murray, David (GOV)
Sent: Monday, December 07, 2015 4:47 PM
To: Baird, Richard (GOV)
Subject: RE: Flint Water Advisory Task Force Recommendation

Hi Rich,

Do you know if this is something that the task force is considering releasing to the public? I think it would be more appropriate coming from them than us, and would reinforce that the task force is an independent body.

Darin said Sen. Ananich asked if the task force was releasing a report today. I'm guessing he meant this letter.

Thanks!

Dave

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 4:05 PM
To: Holland, Meegan (GOV) <HollandM2@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: FW: Flint Water Advisory Task Force Recommendation

fyi

From: Ken Sikkema [redacted]
Sent: Monday, December 07, 2015 3:31 PM
To: Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein; Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force Recommendation

Dear Governor Snyder:

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Respectfully,

Ken Sikkema

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 8:54 PM
To: Manolakoudis, Virginia (GOV)
Subject: RE: Flint Water Advisory Task Force Recommendation

No. Fax only.

Sent from my Verizon Wireless 4G LTE DROID
On Dec 7, 2015 4:25 PM, "Manolakoudis, Virginia (GOV)" <ManolakoudisV@michigan.gov> wrote:

Hi Rich,

I faxed a copy of this document to both Dan Wyant and Nick Lyon. Did you also say to email the document as an attachment?

Thanks!

Virginia

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 3:49 PM
To: Manolakoudis, Virginia (GOV) <ManolakoudisV@michigan.gov>
Subject: FW: Flint Water Advisory Task Force Recommendation

From: Ken Sikkema [redacted]
Sent: Monday, December 07, 2015 3:31 PM
To: Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein; Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force Recommendation

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Respectfully,

Ken Sikkema

Ken Sikkema

Senior Policy Fellow

Public Sector Consultants

PH: 517-484-4954

[redacted]

From: Baird, Richard (GOV)
Sent: Tuesday, December 08, 2015 11:00 AM
To: Agen, Jarrod (GOV); Holland, Meegan (GOV); 'Murray, David (GOV)'
Subject: FW: Flint proposal
Attachments: FWATF proposal 12-3-15.docx

Here is what Chris provided and I gave to Col. Etue who is funding the $25K.

From: chris@dewitt-communications.com [mailto:chris@dewitt-communications.com]
Sent: Thursday, December 03, 2015 3:26 PM
To: Baird, Richard (GOV)
Subject: Flint proposal

See attached.

Thanks

Chris De Witt
De Witt Communications
P.O. Box 4952
East Lansing, MI 48826
517-339-1700 office
[redacted] cell

De Witt Communications

December 3, 2015

TO: Rich Baird

FR: Chris De Witt

RE: Flint Water Advisory Task Force

Thank you for requesting a proposal from De Witt Communications to provide communication consulting services for the Flint Water Advisory Task Force (FWATF).

De Witt Communications will provide services outlined below in the "Scope of Work". Consultant will devote such business efforts and time as is reasonably required to fulfill the outlined services. It is anticipated that the Consultant will devote a minimum of 60 hours per month to this project.

Scope of Work

De Witt Communications proposes to assist the FWATF in the following:

1. Development and coordinating of overall strategic messaging
2. Serve as media contact and spokesperson
3. Assist in the writing and distribution of documents such as reports and press releases
4. Attend meetings, conferences and interviews
5. Coordinate media information distribution
6. Media Training as needed
7. Editorial Board meeting coordination
8. Assist with Community Forums
9. Develop and maintain media contact information
10. Press conference preparation and implementation

Other items may be added to the "Scope of Work" if all parties agree.

Retainer information:

Project time frame: December 2015 – February 15, 2016

Project retainer: $25,000

Payment Schedule: To be determined

Mailing address: De Witt Communications, P.O. Box 4952 East Lansing, MI 48826

Email address: chris@dewitt-communications.com

Phone: 517-339-1700 (office) [redacted] (cell)

If you have any questions on any of the above items, please contact me.

Again, thank you for this opportunity to assist the Flint Water Advisory Task Force.

From: Baird, Richard (GOV)
Sent: Thursday, December 10, 2015 12:07 PM
To: Murray, David (GOV)
Subject: Re: Updated draft of Flint Water Task Force response

...will continue to engage with your task force and provide support and direction to Harvey to ensure.,.

Dave I don't want this to look like we are assisting Harvey rather we are providing leadership direction

Sent from my Verizon Wireless 4G LTE DROID
On Dec 10, 2015 11:49 AM, "Murray, David (GOV)" <MurrayD1@michigan.gov> wrote:

Good morning, team. Here's a new draft of the Flint Task Force response letter incorporating suggestions from Rich. Please let me know if there additional changes I should make, or if you think there are points that need to be included.

Our goals is to have a letter that can be shared later today.

Thank you!

Dave

Flint Water Advisory Task Force Members,

Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.

As acknowledged in your letter, we have taken many steps to address the challenges in Flint as they relate to reducing lead exposure. I am pleased to see the progress since October, and recognize there is more work that must be done to ensure that this progress continues.

At the state level, there has been a confluence of efforts between Michigan Departments of Environmental Quality and Health and Human Services to coordinate with the Genesee County Health Department, local schools, and our partners in the non-profit community.

These partners are making progress, and we know we can always strive to improve practices and communication for continual improvement.

You make a solid suggestion about establishing a person who is independent of any one of the involved state agencies or organizations to serve as the point person to coordinate the ongoing work. I am recommending that Harvey Hollins, director of the Office of Urban Initiatives, carry out this effort. Harvey is well-versed in the issue and the challenges faced by our cities and will be effective in this role. He will be assisted by senior members of our executive team to ensure you will have the continued support and cooperation that you need.

We also have retained Chris DeWitt, a veteran communications specialist, to strengthen community outreach efforts to make sure residents have access to the information they need.

I also support your suggestion of a dashboard to make information about our work and progress more accessible to the Flint community. These are critical measures that can be used as we look the challenges and progress in Flint, but also can be a part of efforts moving forward in other areas of our state. It's important that people have confidence that we are working to address any problems and will take the necessary actions to improve interaction among city, state and federal agencies. We also will continue to work with the medical community to consider how we can work together on wraparound needs of children who might experience health problems.

People in Flint and across our state deserve safe, clean water. I want them to be confident that the water coming out of their tap is safe for their families. And I want them to trust that their government – at all levels – is working effectively to protect them.

I thank you again for investing your time and expertise to this vitally important effort.

Regards,

From: Baird, Richard (GOV)
Sent: Monday, December 14, 2015 10:43 AM
To: Manolakoudis, Virginia (GOV)
Subject: Fwd: Flint Water Task Force response
Attachments: 2 DRAFT Task Force response.pdf

Please print.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Holland, Meegan (GOV)" <HollandM2@michigan.gov>
Date: Dec 14, 2015 10:30 AM
Subject: Flint Water Task Force response
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

Rich –

Here is the letter, pasted below and attached. The attachment says DRAFT but it's good to go.

Meegan

Dear Flint Water Advisory Task Force Members,

Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.

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From: Baird, Richard (GOV)
Sent: Tuesday, December 15, 2015 9:22 AM
To: Etue, Kriste (MSP)
Subject: Fwd: Flint Water Task Force response
Attachments: 2 DRAFT Task Force response.pdf

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Holland, Meegan (GOV)" <HollandM2@michigan.gov>
Date: Dec 14, 2015 10:30 AM
Subject: Flint Water Task Force response
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

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Regards,

From: Baird, Richard (GOV)
Sent: Tuesday, December 15, 2015 6:30 PM
To: Chris Kolb; Ken Sikkema; Chris De Witt
Subject: Fwd: Flint Task Force Letter
Attachments: 15.12.15 Flint Task Force Letter.pdf

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Hansen, Rachel (GOV)" <hansenr3@michigan.gov>
Date: Dec 15, 2015 2:51 PM
Subject: Flint Task Force Letter
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc: "Manolakoudis, Virginia (GOV)" <ManolakoudisV@michigan.gov>

Attached. I'll be bringing it to Virginia in a moment

Sincerely,

Rachel Hansen

Administrative Assistant to the Governor

Office of Governor Rick Snyder

517-373-2340

Hansenr3@michigan.gov

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

December 15, 2015

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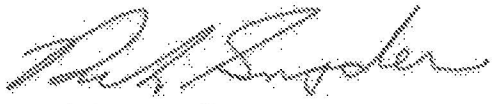
Sincerely,



Rick Snyder
Governor

From: Baird, Richard (GOV)
Sent: Wednesday, December 16, 2015 11:46 AM
To: Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ)
Subject: FW: Flint Task Force Letter
Attachments: 15.12.15 Flint Task Force Letter.pdf

From: Hansen, Rachel (GOV)
Sent: Tuesday, December 15, 2015 2:51 PM
To: Baird, Richard (GOV)
Cc: Manolakoudis, Virginia (GOV)
Subject: Flint Task Force Letter

Attached. I'll be bringing it to Virginia in a moment

Sincerely,

Rachel Hansen
Administrative Assistant to the Governor
Office of Governor Rick Snyder
517-373-2340
Hansenr3@michigan.gov

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

December 15, 2015

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I thank you again for investing your time and expertise in this vitally important effort.

Sincerely,

Rick Snyder
Governor

From: Baird, Richard (GOV)
Sent: Sunday, December 20, 2015 12:02 AM
To: Kelenske, Chris (MSP)
Subject: Fwd: FW: Flint Task Force Letter
Attachments: 15.12.15 Flint Task Force Letter.pdf

Fyi

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Dec 16, 2015 11:46 AM
Subject: FW: Flint Task Force Letter
To: "Wyant, Dan (DEQ)" <WyantD@michigan.gov>,"Thelen, Mary Beth (DEQ)" <THELENM2@michigan.gov>
Cc:

From: Hansen, Rachel (GOV)
Sent: Tuesday, December 15, 2015 2:51 PM
To: Baird, Richard (GOV)
Cc: Manolakoudis, Virginia (GOV)
Subject: Flint Task Force Letter

Attached. I'll be bringing it to Virginia in a moment

Sincerely,

Rachel Hansen

Administrative Assistant to the Governor

Office of Governor Rick Snyder

517-373-2340

Hansenr3@michigan.gov

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

December 15, 2015

Dear Flint Water Advisory Task Force Members:

Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.

As acknowledged in your letter, we have taken many steps to address the challenges in Flint as they relate to reducing lead exposure. I am pleased to see the progress since October, and recognize there is more work that must be done to ensure that this progress continues.

At the state level, there has been a confluence of efforts between Departments of Environmental Quality and the Department of Health and Human Services to coordinate with the Genesee County Health Department, local schools, and our partners in the non-profit community.

These partners are making progress, and we know we must always strive to improve practices and communication for continual improvement.

You make a solid recommendation to establish a person who is independent of any one of the involved state agencies to serve as the point person to coordinate the ongoing work. I am recommending that Harvey Hollins, director of the Office of Urban Initiatives, carry out this effort. Harvey is well-versed in the issues and the challenges faced by our cities and will be effective in this role. Senior members of our executive team will continue to engage with your task force and provide direction and support to Harvey to ensure you will have continued support and cooperation. We also have retained Chris DeWitt, a veteran communications specialist, to strengthen community outreach efforts to make sure residents have access to the information they need.

I also support your suggestion of a dashboard to make information about our work and progress more accessible to the Flint community. These are critical measures that can be used as we look the challenges and progress in Flint, but also can be a part of efforts moving forward in other areas of our state. It's important that people have confidence that we are working to address any problems and will take the necessary actions to improve interaction among city, state and federal agencies. We also will continue to work with the medical community to consider how we can work together on wraparound needs of children who might experience health problems.

People in Flint and across our state deserve safe, clean water. I want them to be confident that the water coming out of their tap is safe for their families. And I want them to trust that their government – at all levels – is working effectively to protect them.

I thank you again for investing your time and expertise in this vitally important effort.

Sincerely,

Rick Snyder
Governor

From: Baird, Richard (GOV)
Sent: Monday, December 21, 2015 7:51 PM
To: Nick Lyon
Subject: Fwd: DHHS

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Ken Sikkema [redacted]
Date: Dec 21, 2015 7:39 PM
Subject: Fwd: DHHS
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

FYI...

---------- Forwarded message ----------
From: <chris@environmentalcouncil.org>
Date: Monday, December 21, 2015
Subject: DHHS
To: Ken Sikkema <ksikkema@pscinc.com>

Virginia Tech Researcher Claims Stonewalling On Lead Data

The Department of Health and Human Services had data that showed there were elevated lead levels in Flint's water, but delayed in releasing that data to others for review, Virginia Tech professor Marc Edwards said in an article posted to his website documenting the city's water crisis.

Department officials agreed and said the experience led to changes in how they examine data.

Mr. Edwards said the department had data from shortly after Flint changed its water source that showed a spike in blood lead levels in children in two at-risk neighborhoods, but did not disclose that data until September 2015.

"They discovered scientifically conclusive evidence of an anomalous increase in childhood lead poisoning in summer 2014 immediately after the switch in water sources, but stood by silently as Michigan Department of Environmental Quality (MDEQ) officials repeatedly and falsely stated that no spike in blood lead levels (BLL) of children had occurred," he said in the post.

DHHS spokesperson Jennifer Eisner agreed the department had data that showed the spike, but said its analysis at the time overlooked factors that, in retrospect, would have shown there was a water quality problem.

"When initially looking at the citywide and county elevated blood lead level numbers, the increase appeared to be consistent with the seasonal fluctuation seen in the summer months," Ms. Eisner said. "It wasn't until the Hurley report came out that our epidemiologists took a more in-depth look at the data by ZIP code, controlling for seasonal variation, and confirmed an increase outside of normal trends. As a result of this process, we have determined that the way we analyze data collected needs to be thoroughly reviewed."

Mr. Edwards said DHHS officials also stonewalled him on getting access to that data.

He said data he had gotten easily in 2006 documents for a similar review took several weeks to receive after his request sent September 2. When he did finally receive the data, he said it was a version that omitted the lead level spike from summer 2014 that the department had created in July.

He said a series of emails he received under a recent Freedom of Information Act request showed and intention by DHHS officials to keep the reports from the public.
"Our FOIA reveals a shocking DHHS graph created in October 2015. It shows the statistically significant spike in blood lead that occurred in summer 2014 - the scientific result that DHHS has never publicly acknowledged," Mr. Edwards said in his post.
Ms. Eisner said the department has worked to make the data available. "Summary reports outlining blood lead level testing are posted online on a bi-weekly basis, and we work closely with local partners to fulfill data requests as we receive them," she said.

- See more at:
http://www.gongwer.com/programming/news.cfm?article_id=542490102#sthash.o7NcxHOQ.dpuf

Sent from my iPad

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]

From: Baird, Richard (GOV)
Sent: Monday, December 21, 2015 7:52 PM
To: Lyon, Nick (DHHS)
Subject: Fwd: DHHS

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Ken Sikkema [redacted]
Date: Dec 21, 2015 7:39 PM
Subject: Fwd: DHHS
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

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"When initially looking at the citywide and county elevated blood lead level numbers, the increase appeared to be consistent with the seasonal fluctuation seen in the summer months," Ms. Eisner said. "It wasn't until the Hurley report came out that our epidemiologists took a more in-depth look at the data by ZIP code, controlling for seasonal variation, and confirmed an increase outside of normal trends. As a result of this process, we have determined that the way we analyze data collected needs to be thoroughly reviewed."

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Sent from my iPad

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Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]

From: Baird, Richard (GOV)
Sent: Tuesday, December 22, 2015 9:37 AM
To: Ken Sikkema; Chris Kolb
Subject: FW: Edwards Report Response

From: Lyon, Nick (DHHS)
Sent: Tuesday, December 22, 2015 1:32 AM
To: Baird, Richard (GOV)
Subject: Fwd: Edwards Report Response

Here was our public response. You can share with Ken and Chris. I am also willing to talk to them about this.

Begin forwarded message:

> **From:** "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>
> **Date:** December 21, 2015 at 3:46:05 PM EST
> **To:** "Lyon, Nick (DHHS)" <LyonN2@michigan.gov>
> **Subject: RE: Edwards Report Response**
>
> The Michigan Department of Health and Human Services has consistently provided information regarding blood lead levels in the city of Flint.
>
> When initially looking at the citywide and county elevated blood lead level numbers, the increase appeared to be consistent with the routine seasonal fluctuation seen in the summer months. It wasn't until the Hurley report came out that our epidemiologists took a more in-depth look at the data by ZIP code, controlling for seasonal variation, and confirmed an increase outside of normal trends. As a result of this process, we have determined that the way we analyze data needs to be thoroughly reviewed. Additionally, Gov. Rick Snyder has created a Flint Water Task Force to review all city, state and federal responses and actions and is expected to make recommendations moving forward.
>
> Our department is focused on ensuring that appropriate case management and follow up is occurring in Flint. Summary reports outlining blood lead level testing are posted online on a bi-weekly basis, and we are working closely with local partners to fulfill data requests as we receive them.
>
> Regarding the FOIA, Mr. Edwards received all of the requested documents, with personal information redacted, on Friday, December 18.
>
> Jennifer Eisner
> Public Information Officer
> Michigan Department of Health and Human Services
> Office: 517-241-2112 or EisnerJ@michigan.gov
> Cell: [redacted]

From: Baird, Richard (GOV)
Sent: Tuesday, December 22, 2015 10:50 AM
To: 'Chris Kolb'
Subject: RE: Harvey Hollins

He's already met with several. But he and I are coming to meeting tomorrow to map out the strategy/role/responsibilities.

-----Original Message-----
From: Chris Kolb [mailto:chris@environmentalcouncil.org]
Sent: Tuesday, December 22, 2015 9:41 AM
To: Baird, Richard (GOV)
Subject: Harvey Hollins

Rich,

Do you know Harvey's timeline for engaging on the Flint water issues? Especially connecting with key individuals and elected officials.

Thanks,
Chris

Sent from my iPhone

From: Baird, Richard (GOV)
Sent: Wednesday, December 23, 2015 4:52 PM
To: Meegan Holland
Subject: Fwd: Role
Attachments: FLint Outline of Role and Responsibility.docx

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Dec 23, 2015 1:04 PM
Subject: Role
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc:

Outline of Role and Responsibility—Harvey Hollins
Flint After Action Task Force and Local/County/State Coordination
Key Activities Draft

I. Confirm key stakeholders that should convene on a regular basis to do the following:

   a. Identify resources and support required to manage continued testing, cognitive assessment, updates on progress, impediments, community outreach, etc.

   b. Assess delivery of resources protocols and adjust (door to door, neighborhood centers, etc.)

   c. Agree a communications strategy within the stakeholder community and aggressively inform the residents of Flint of resources available and consequences of inaction.

II. Create a short/medium and long term plan to capture roles and responsibilities at the local, county, state (and federal if appropriate) levels which will be reviewed and approved by the key stakeholder body.

III. Be responsive to mayor, media, residents and all stakeholders about what currently is being done and how the way forward is being envisioned and agreed by stakeholder leadership.

IV. Work to eliminate duplication of effort and ensure that members of the science community engaged in assessing and protecting the public health have unfettered access to data, reports, etc. and establish a mutually agreeable process to surface and resolve conflicting interpretations of data when it occurs.

V. Coordinate with State departments (DHHS, DEQ, Executive Office) to secure funding needed and subject matter resources to ensure long term monitoring and remediation efforts.

VI. Ensure that the recommendations of the After Action Task Force are executed.

VII. Provide weekly status updates to Governor Snyder and members of his team charged with supporting the Chief Coordinator.

VIII. Determine how what is being done in Flint is relevant to other communities and needs to be shared as part of a state wide strategy. This may also impact future policy development to address long term infrastructure remediation.

From: Baird, Richard (GOV)
Sent: Wednesday, December 23, 2015 5:30 PM
To: Lyon, Nick (DHHS); Wyant, Dan (DEQ)
Subject: Fwd: Role
Attachments: FLint Outline of Role and Responsibility.docx

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Dec 23, 2015 12:04 PM
Subject: Role
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc:

Outline of Role and Responsibility—Harvey Hollins
Flint After Action Task Force and Local/County/State Coordination
Key Activities Draft

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From: Baird, Richard (GOV)
Sent: Wednesday, December 30, 2015 3:20 PM
To: 'Pat Mcdonnell'
Cc: Zimmer, Mike (LARA); Manolakoudis, Virginia (GOV)
Subject: RE: MIRS Breaking News: Wyant Resigns As MDEQ Director -- 3:09 PM

Pat:

Mike and I discussed the way forward and he had various conversations with PwC, Bernard and the steering group. I also spoke with Bernard last week. I suggest that you and he and I have a discussion about where we are. I will ask Virginia to arrange it. I brought you and Bernard into this mix because I think there is value in reconciling both approaches. I think that having consistency of language, look and feel at the top of each agency strategy and with the Governor's Strategic Objectives is optimal. I do not think we need millions in consulting fees to get there and I want John's involvement in the departmental "what" and you driving the departmental "how".

Thanks---Virginia, over to you.

Rich

From: Pat Mcdonnell [mailto:pat@themcdonnellcompany.com]
Sent: Wednesday, December 30, 2015 8:52 AM
To: Baird, Richard (GOV)
Subject: FW: MIRS Breaking News: Wyant Resigns As MDEQ Director -- 3:09 PM

Gents,

It has occurred to me for some time that perhaps, rather than DOC, our next Agencies might be DEQ followed by DNR. If they can't test water, who knows what else is lurking in the weeds? I suspect your report back on DEQ might have indicated as much.

I also trust by now that PwC has been told that Bernard's project is coming to an end. Will that make them a bit more receptive to my win/win, or are they going to keep pushing Bernard? Speaking of which, we need a little organization to the MDARD pilot program. I suggested it to cause PwC/Bernard to put their cards on the table. Just what is it exactly they propose and how will it produce a more cost effective result than OpEx? Whatever it is, they should be obligated to put it on paper.

Now, I suggest that we have a meeting to get the rules straight. It might be appropriate for Mike to chair it. I assume he is the point guy on resolution. It will also keep PwC honest. I don't want to waste all this knowledge Mike is acquiring.

Finally, I would be interested in what Jamie, Gordon, and Ken think about this. At the last Bernard meeting, I asked each of them to consider where we would have been had we followed the Bernard methodology all the way into MDARD compared with where we are now. Without hesitation, they all responded separately that it would have been the same place. I rest my case.

It would be interesting to ask Nick/Sally and David/Brom the same question. Something tells me I know the answer.

Finally, if Bernard's project is going to yield real results, it needs to provide the Agency level objectives that the plan envisions. I suspect Bernard will avoid that arguing that it can't be done until the Agencies are "mapped." Again, our

results indicate that such is not the case. If he does not do so, then we will do it as part of OpEx. As I noted, that is what we are doing now. DEQ is responsible for protecting us and the environment. That is their objective. How they do it to a much enhanced level of consistent excellence is what OpEx is all about. No mystery.

I'll be in Lansing next week from about 4 on Monday through Thursday. Friday will find me at GRHV. Mike, perhaps we could find time for a quick chat.

Happy New Year. I am looking forward to a very productive year. You have great people. They are fired up and really contributing. This is all about building momentum. We must keep them focused, let them understand what we are doing and let them begin to experience victory. That is what is now happening. It can only build. However, we must protect or credibility as the naysayers will quickly point to any breach.

Pat

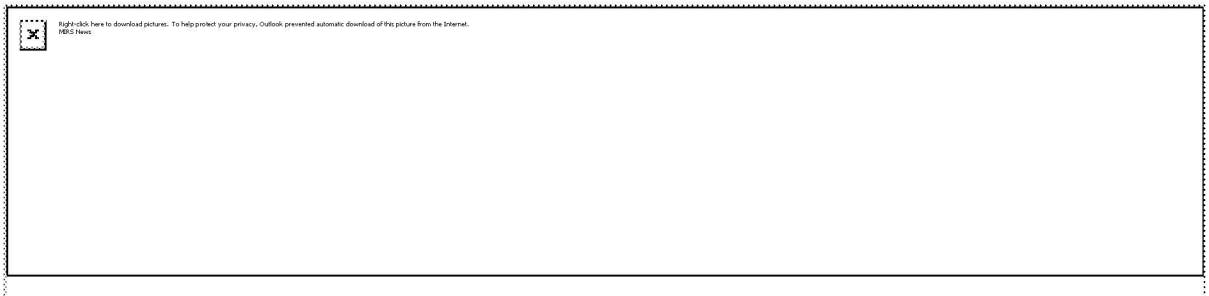
From: Bankowski, Jeffrey S. (DTMB) [mailto:BankowskiJ@michigan.gov]
Sent: Tuesday, December 29, 2015 2:55 PM
To: pat@themcdonnellcompany.com
Subject: Fwd: MIRS Breaking News: Wyant Resigns As MDEQ Director -- 3:09 PM

Just FYI

Sent from my iPhone

Begin forwarded message:

> **From:** MIRS Delivery <mirsdelivery@mirsnews.com>
> **Date:** December 29, 2015 at 3:22:24 PM EST
> **To:** <bankowskij@michigan.gov>
> **Subject: MIRS Breaking News: Wyant Resigns As MDEQ Director -- 3:09 PM**



MIRS BREAKING NEWS: Wyant Resigns As MDEQ Director -- 3:09 PM

http://www.mirsnews.com/alert.php?alert_id=2154

Dan **WYANT**, the director of the Michigan Department of Environmental Quality (MDEQ), is resigning in the wake of criticism about how the state handled elevated lead

levels in Flint drinking water.

Gov. Rick **SNYDER** announced Wyant's resignation in a statement today. Also, in the statement, the Governor said his administration would invite scientists who have been tracking the situation "to be our partners in helping us improve Flint water."

"I want the Flint community to know how very sorry I am that this has happened," Snyder's statement added. "And I want all Michigan citizens to know that we will learn from this experience, because Flint is not the only city that has an aging infrastructure."

On Wyant, Snyder said Wyant offered his resignation, "and I've determined that it's appropriate to accept it."

"I'm also making other personnel changes at MDEQ to address problems cited by the task force," Snyder's statement said.

Those other changes haven't been finalized yet, according to Laura **BIEHL**, a spokesperson for the Governor.

The news of Wyant's resignation comes as a task force continues to work on a report about the Flint water crisis, which occurred after the city's water source was switched to the Flint River in 2014.

"Although the task force's final report is not yet completed, members have made me aware of some interim findings and corrective steps that I have decided to take immediately in order to restore trust in how the state keeps its citizens safe and informed," Snyder said today. He continued, "We'll continue to work with the community members to make sure we hear and respond to their concerns."

Snyder also noted the he called Flint Mayor Karen **WEAVER** last week and the two are going to meet soon to discuss other ways the state can offer assistance.

Wyant has been MDEQ director since Snyder took office in 2011.

Previously, Wyant was the director of the Department of Agriculture under former Govs. John **ENGLER** and Jennifer **GRANHOLM**.

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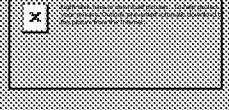
From the legislature to the governor, from the state bureaucracy to Michigan's courts, MIRS provides our subscribers with more news and insight than any other source.



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MIRS Inc.
910 W. Ottawa
PO Box 19303
Lansing, MI 48915
Phone 517-482-2125 Fax 517-374-0949
www.mirsnews.com

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 12:55 PM
To: Mona Hanna Attisha
Subject: Fwd: Flint

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Date: Jan 5, 2016 12:52 PM
Subject: Flint
To: "Whiston, Brian (MDE)" <WhistonB@michigan.gov>
Cc: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>

Brian,

Would you consider having someone from MDE attend? Dr. Mona is at the center of our planning for remediation in light of the Flint water emergency. Happy to talk real time.

Thanks,

Rich

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Mona Hanna-Attisha <MHanna1@hurleymc.com>
Date: Jan 5, 2016 10:31 AM
Subject: Education
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc:

Happy New Year!

We are having a brainstorming meeting this Thursday (2pm Flint) regarding the critical role of education in regards to the lead exposure. The small meeting (15ish people) will include pediatricians, Mott Foundation, Sen Peters staff, pastors, MSU, Flint superintendent, and county early education folks.

We would welcome anyone from Michigan Department of Education - I was thinking about reaching out to Susan Broman from the Office of Great Start. But let me know what you think may be best.

Thanks! Mona

Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
Mhanna1@hurleymc.com

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 3:46 PM
To: Henry, Alisande (MDE)
Subject: FW: Flint

Alisande:

What do you think? Could you let me know if someone could attend Dr. Mona's meeting?

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 12:53 PM
To: Whiston, Brian (MDE)
Cc: Hollins, Harvey (GOV)
Subject: Flint

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Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
Mhanna1@hurleymc.com

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 4:07 PM
To: Mona Hanna Attisha; Henry, Alisande (MDE)
Subject: Fwd: RE: Flint

I will step back as the honest broker. Dr. Mona, meet Alisande Henry. She is a very capable and responsive MDE professional who makes it all happen...

Regards,

Rich

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Henry, Alisande (MDE)" <henrya@michigan.gov>
Date: Jan 5, 2016 3:50 PM
Subject: RE: Flint
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

Rich,

I'm sure that Brian would support having someone from MDE in attendance. I'll bring this to Brian's attention as soon as I'm able (he's at an off-site meeting today, so it may not be until late this afternoon or first thing tomorrow). He or I will get back to you to let you know who it will be.

Do you have details about meeting location that I can share -- just want to be sure our representative accounts for travel time, etc. in his/her planning, if needed.

Thanks - Alisande

Alisande Henry, Special Assistant to the Superintendent

Office of the State Superintendent

Michigan Department of Education

517-241-2077

henrya@michigan.gov

Customer Service is a priority at the Michigan Department of Education – helping Michigan schools, families, and communities improve the achievement and well-being of ALL our children.

MICHIGAN Department of Education

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Program Director Pediatric Residency
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Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
Mhanna1@hurleymc.com

MICHIGAN
Department of
Education

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 8:32 PM
To: Whiston, Brian (MDE)
Subject: Re: Flint

Thanks Brian. Kyle will be fine and we appreciate your commitment to the process. I put Dr. Mona in touch with Alisande so I could step out as the middleman.

Rich

Sent from my Verizon Wireless 4G LTE DROID
On Jan 5, 2016 6:37 PM, "Whiston, Brian (MDE)" <WhistonB@michigan.gov> wrote:
Yes Kyle will attend if you need me to I can re-arrange my schedule. Bw

Sent from my iPhone

On Jan 5, 2016, at 12:53 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> Brian,
>
> Would you consider having someone from MDE attend? Dr. Mona is at the center of our planning for remediation in light of the Flint water emergency. Happy to talk real time.
>
> Thanks,
>
> Rich
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> ---------- Forwarded message ----------
> From: Mona Hanna-Attisha <MHanna1@burleymc.com>
> Date: Jan 5, 2016 10:31 AM
> Subject: Education
> To: "Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> Cc:
>
> Happy New Year!
>
> We are having a brainstorming meeting this Thursday (2pm Flint) regarding the critical role of education in regards to the lead exposure. The small meeting (15ish people) will include pediatricians, Mott Foundation, Sen Peters staff, pastors, MSU, Flint superintendent, and county early education folks.
>
> We would welcome anyone from Michigan Department of Education - I was thinking about reaching out to Susan Broman from the Office of Great Start. But let me know what you think may be best.

Thanks! Mona

Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
Mhanna1@hurleymc.com

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 8:32 PM
To: Manolakoudis, Virginia (GOV)
Subject: Fwd: Flint Spreadsheet

Let's discuss in am.

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Clayton, Stacie (GOV)" <claytons3@michigan.gov>
Date: Jan 5, 2016 4:55 PM
Subject: Flint Spreadsheet
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>,"Manolakoudis, Virginia (GOV)" <ManolakoudisV@michigan.gov>

Rich,

Attached is Harvey's document for the Governor's meeting with Mayor Weaver. It contains potential offerings by the state without revealing the associated costs. Please let us know if you need anything else.

~Stacie

Subject: Call Jerry Ambrose Re: Flint Water and Ministers Meeting
Location: [redacted]

Start: Fri 1/30/2015 12:30 PM
End: Fri 1/30/2015 12:45 PM
Show Time As: Out of Office

Recurrence: (none)

Organizer: Hollins, Harvey (GOV)

1) Safe water
   a. [redacted]
   b.
2) Improve the water
   a. [redacted]
   b.
   c.
3) Cost of Water
   a. [redacted]
   b.
   c.

Subject:	Flint Water Press Conference
Location:	Haskell Community Center, 2201 Forest Hills Ave. Flint
Start:	Tue 2/3/2015 3:00 PM
End:	Tue 2/3/2015 4:00 PM
Show Time As:	Out of Office
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Clayton, Stacie (GOV)
Required Attendees:	Hollins, Harvey (GOV)

Tuesday, Feb. 3, 2015, 3-4 p.m.
Haskell Community Center, 2201 Forest Hills Ave. Flint
Governor's communications: Dave Murray, murrayd1@michgian.gov, [redacted]
DEQ communications: Brad Wurfel, wurfelb@michigan.gov, [redacted]
Treasury communications: Terry Stanton, stantont@michigan.gov, [redacted]

Purpose

The state government is providing support for the Flint government as it addresses issues with its water system. The state on Tuesday is announcing that Flint is receiving two grants totaling $2 million related to water system improvements through the Financially Distressed Cities, Villages and Townships grant program. DEQ Director Dan Wyant will address ongoing efforts with his agency to test Flint water and explain why the city is facing some of its problems. Senate Minority Leader Jim Ananich, D-Flint, will discuss his appreciation for the ongoing support for the city and its residents.

Attending

- Harvey Hollins, director of the Michigan Office of Urban Initiatives
- Dan Wyant, director of the Michigan Department of Environmental Quality
- Wayne Workman, deputy treasurer, Michigan Department of Treasury
- Jerry Ambrose, Flint emergency manager
- Dayne Walling, Flint mayor
- State Sen. Jim Ananich
- State Rep. Sheldon Neeley
- State Rep. Phil Phelps

Agenda

3:00 PM – 3:05 PM:	Harvey Hollins announces that Flint has received two grants totaling $2 million.
3:05 PM – 3:10 PM:	Dan Wyant discusses the state's ongoing role in monitoring Flint's water and any assistance that has been provided and will continue to be provided.
3:10 PM – 3:15 PM:	Mayor Dayne Walling remarks about appreciation for state assistance.
3:15 PM – 3:20 PM:	Sen. Jim Ananich remarks about appreciation for state assistance.
3:20 PM – 3:25 PM:	

3:25 PM – 3:35 PM: Harvey Hollins closing remarks, opens floor to media questions.
3:35 PM Event ends, though this might be optimistic.

Background

- The quality of Flint water has been a high-profile concern in recent weeks, with residents complaining about the color, taste and smell of tap water since a switch to Flint River water as a temporary source as a pipeline is built to Lake Huron as a water source starting in 2016.
  - Residents have attended meetings with jugs of brownish water.
  - U.S. Kildee has worked with labor and community groups to distribute bottled water.
- Mayor Walling has issued a letter (included below) calling for state and federal assistance for the city, including forgiveness of some $20 million in debt through the Drinking Water Revolving Loan Fund and calling for the governor to come to Flint personally.
  - Walling also submitted a guest column to the Flint Journal with similar requests.
    - He said the loan forgiveness is needed for the city to upgrade its water treatment process.
  - Governor and Mayor Walling had a telephone conversation on Friday, and the mayor has pledged to work together on solutions.

- Rep. Sheldon Neeley also has sent the governor a letter, saying that his constituents "are on the verge of civil unrest."

- The Department of Environmental Quality has been monitoring the water situation, with a detailed backgrounder and talking points attached below.

- The Treasury Department is announcing Tuesday that Flint is among the cities receiving a combined $8 million the Financially Distressed Cities, Villages and Townships grant program.
  - The announcement of the other grants will follow the Flint announcement.
    - The Flint grants are $1.1 million to allow the city to replace the functions of the old incinerator with new water pollution control facility allowing for the disposal of waste to landfills.
    - The other is $900,000 to allow the city to hire a contractor to perform a leak detection survey, which will lead to prioritizing repairs.
  - A breakdown of the grants is included below.

Treasury breakdown of Flint grants

Flint Incinerator: The grant project entails shutting down the current Water Pollution Control Facility Incinerator (due to the incinerator not being up to new EPA standards). In order to meet EPA standards, it would cost roughly $8.8M in upgrades to the current incinerator. The grant funding will allow them to replace the functions of the old incinerator by constructing new facilities which will allow for the disposal of waste to landfills.

Budget Breakdown	
Construction Contractor	$1,050,000
Project Management	$50,000
Total	$1,100,000

Flint Leak Detection: The grant project will allow the city to hire a contractor to perform a leak detection survey of the city water lines. The city will receive a map of leak locations and an assessment of leak severity. This data will allow the city to prioritize leak repair. The project also covers the expense of conducting a water pipe line wall thickness condition assessment on a portion of the city's pipes. The assessment will guide the city's water main replacement program.

Budget Breakdown	
Project Planning	$90,000
Mobilization of Crew to Site	$27,000

Leak Detection < 16" diameter	$378,000
Leak Detection 16" diameter or >	$270,000
Pipe Condition Assessments	$135,000
Total	$900,000

DEQ backgrounder on Flint water

Following the formal approval of Flint into the KWA in 2012, DWSD sent Flint a letter saying their contract was thereby terminated (by early 2013).

Genesee County has been using DWSD water without a contract since May 2014. But Flint took the letter to imply a water cutoff, and promptly turned to DEQ with a proposal to use the Flint River (their historic backup system).

This proposed shift was pitched primarily as a money saver. But it put the city in the business of water production, where they historically had been in the business of water transmission. DEQ approved the use of the river as a source, based on the treatment plant's past performance as a standby facility and the improvements we outlined prior to a switchover.

Several municipalities around the state use surface water supplies (rivers): Blissfield near Monroe, Manistique, and Alma to name a few.

The city completed the upgrades at the water plant the facility and DEQ approved it April 2014.

There were some initial hiccups. Last summer, there were a couple of 'boil water' notices issued. One for a water test that showed e. coli, one for a break in the water main.

The challenge to using the Flint River as a source is that the condition of the water is variable and changes with season and weather. It has substantially more organic matter than deep lake sources like Lake Huron. This organic matter is mobilized by high water events, and warm weather also can account for more organic material in the water.

The treatment of the organic matter is done with chlorine. One might conclude that the continual answer is just to use more chlorine to achieve water safety. However, at some point on the continuum, the chlorine and organic matter create TTHM – total trihalomethanes – as a byproduct. When the standard for those is exceeded over several consecutive quarters of testing, the supply is required by law to issue public notice and submit an approved plan for addressing the situation.

You'll note that this regulatory approach means TTHM testing is done quarterly. That means people who use the system are exposed to TTHM for several months before the public notice is required. It's because TTHM is a chronic health threat. Over the long term (measured in decades), continued exposure can contribute to some known health problems. If this were an immediate health threat, customers would receive immediate notification to boil their water or not use it.

Put in context, the EPA (which established the standard and the rule) estimates the existence of the TTHM standard prevents an estimated 280 bladder cancer cases each year … out of more than 330 million people who use public water supplies around the country.

It's not "nothing." State and federal law requires quarterly testing for TTHM and that the public be informed of it when the annual average of four quarters' worth of consecutive testing shows TTHM levels exceeding 80 parts per billion. Flint's results managed to exceed the annual average in three quarters, and they must develop a plan to address it.

But it's not like an eminent threat to public health. Unlike an e. Coli or even total coliform bacteria maximum contaminant level, which require immediate public notification and response and are part of daily / hourly testing of public water supplies, TTHMs pose a public health concern with chronic, long-term exposure.

It's clear the nature of the threat was communicated poorly. It's also clear that folks in Flint are concerned about other aspects of their water – taste, smell and color being among the top complaints.

The Safe Drinking Water Act requires public water supplies be tested for more than 90 regulated contaminants, including microbial contaminants. The act, and the program here in Michigan, work to ensure that water is safe to drink. The act does not regulate aesthetic values of water. Here are some factors affecting the aesthetics of water in Flint.

1. It's the Flint River. The water supplied by DWSD historically came from Lake Huron. It's softer. With hard water, you get a different flavor and feel. It's why General Motors suspended use of Flint Water – it was rusting their parts. Also, there's the 'organics' factor (discussed previously).
2. The system is old. Flint has more than 500 miles of water pipes. More than half of those pipe miles are more than 75 years old. Much of it is cast iron. Hard water can react with cast iron and exacerbates the rusty factor, which creates that brown water that angry residents were holding up in jugs for the media cameras last week. Valve failure has also been a key challenge. The system has an estimated 7,500+ valves. When they stick open or stick shut, it affects the hydraulics of the system and increase areas of stagnation. The city has a backlog of valves that need to be addressed. They've done half a dozen or so since November.
3. Flint is old. Many of the homes served by the system are old. Brown water complaints may also be attributable to cast iron pipes in customers' service connection to the city lines. The DEQ has been encouraging people with water coloration concerns to contact the city and see whether it is the service line or the City's line causing the issue. Again, discoloration is not an indicator of water quality or water safety, but we recognize that nobody likes it.

In summary, the City of Flint has tremendous need to address its water delivery system. We are not aware that they have any capital improvement funds for preventative maintenance in place, much less line replacement project monies that will require hundreds of millions.

The City was approved for a Revolving Fund loan in 2008 or 2009. As a Distressed Community, they qualified for flexible terms and 2 percent interest rate Revolving Fund Loan. After they were notified they were approved for the loan, they declined it. Previous SRF loans from the state to Flint bear an outstanding balance of $20.7 million today.

The DEQ continues working with the city to address the TTHM issue. They can take interim steps – from scrubbing the insides of transmission lines to carefully monitoring the hydraulic challenges in their system – to address customers' aesthetic concerns. Their TTHM numbers already are showing dramatic improvement; the November testing showed only one of seven sample points exceeding the standard.

The key now is that the standard is an average of three quarters' worth of results. It will be some time before they are officially "not in violation." However, depending on weather in 2015, it's not unforeseeable that we will be having this conversation again by next Christmas.

The key to the conversation is that TTHM is not a top health concern. That's key because residents need to understand TTHM in context, and it is key because it appears the mayor has seized on the public panic (sparked, frankly, by their poor communication of the violation notice) to ask the state for loan forgiveness and more money for their infrastructure improvement.

Another key thing to remember is that once the city connects to the new KWA system in 2016, this issue will fade in the rearview.

Key messages:

1. The DEQ Drinking Water program works with communities around the state to ensure that municipalities provide customers with clean, safe drinking water.
2. Municipal water supplies are tested rigorously and regularly for more than 90 regulated contaminants, including microbial contaminants that pose an immediate public health concern.
3. Flint's exceedance of the TTHM standard should reassure residents that the testing program is effective.

4. TTHM is not an immediate health threat. It is a chronic concern, one that can be problematic over the course of several decades of exposure. The public was notified because the law requires the city to make public notification, so that everyone can make informed decisions. This is particularly true for people with infants or those with compromised immune systems.
5. The DEQ is working with the City to address the situation. Recent tests show the TTHM numbers dropping rapidly. The department will continue working with the city in the months ahead, and residents should feel confident that their water is safe to drink unless the DEQ or City notifies them otherwise.
6. The discoloration and odor issues some Flint residents are experiencing are separate issues from the TTHM issue. TTHM is odorless, colorless and measured in parts per billion.
7. Flint water customers who have questions or concerns about their water should first contact the city to get answers and help. They also can contact the Michigan DEQ.

Mayor Walling's Facebook post

Friend,

Access to clean, safe, affordable water is a basic human right.

That's why I just sent Gov. Snyder my Flint Water Improvement Plan. It focuses on the areas of safety, quality, access, investment and education. My letter urges the governor to quickly implement these ideas so that Flint's water is 100% safe.

Please contact Gov. Snyder by calling (517) 335-6397 (or by clicking here) and ask him to take action immediately to implement my plan and ensure Flint's water is safe.

My plan offers new ideas and also builds on successful models of utility, energy and assistance programs at the state and federal levels. Here is my plan:

Safety & Quality

- 100% Safety is the standard
- City of Flint releases testing data to assure safety and expands testing to households with support from the Michigan Department of Environmental Quality
- Support alternatives for those advised not to drink the water by their doctors through the Michigan Health Endowment Fund and community partners to protect the vulnerable like seniors and infants
- Bring on experienced river water treatment operational management in the City of Flint
- Require water testing data to be released quarterly by law in all Michigan communities

Access

- Announce an amnesty program for turn-ons and reduce the turn-on cost in Flint
- Develop a revised payment plan policy to allow customers to come back on to the Flint system
- New Federal and State partnership to establish new Drinking Water Emergency Assistance Fund for customers (modeled on Federal and State energy utility programs: Low Income Home Energy Assistance Program; Michigan Energy Assistance Program; State Emergency Relief)

Investment

- Accelerate water system improvements outlined in the City of Flint Capital Improvement Plan through Federal and State Investments
- State approves City of Flint's Distressed Cities Fund applications
- Federal and State forgiveness of payment to Drinking Water Revolving Loan Fund
- Federal and State financing for future improvements
- City Water Department implements budgeted FY15 projects including leak detection, valve repairs, new pipes and meter replacements

Education

- Develop a community partnership to provide household and business customers with information on testing and conservation
- Ongoing partnership with Michigan Department of Human Services, United Way, Salvation Army and community organizations to provide information on water assistance
- Expand youth energy initiative to assist households with conservation and efficiency (piloted in summer 2014 with Northwestern High School students, EcoWorks and Consumers Energy)

The struggle with our water has gone on for too long. The state must take action and do its part. Please ask Gov. Snyder to take action immediately to implement my plan and ensure Flint's water is safe. Thank you for your ongoing support.

From: Larkin, Brian (GOV)
Sent: Wednesday, November 14, 2012 10:43 AM
To: Hollins, Harvey (GOV)
Subject: Karegnondi Water Authority

Harvey,

If you get a chance I wanted to ask you a few questions about the city of Flint's application to the state to join in the creation of the Karegnondi Water Authority linking us to the counties to the east leading to Port Huron. Since we are under state management this must be approved by the Treasure, I believe an application or request was sent this week. I'm interested to know what stance we're expecting the Treasure's office to have realizing this will directly impact Detroit if Flint starts their own water authority.

Brian Larkin
Associate Director
Office of Urban & Metropolitan Initiatives
125 E Union St.
Flint, MI 48502

[redacted]

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 3:32 PM
To: Muchmore, Dennis (GOV); Roberts, John (GOV); Hollins, Harvey (GOV); Scott, Allison (GOV)
Cc: Wisniewski, Wendy (GOV); Clayton, Stacie (GOV); Hansen, Rachel (GOV)
Subject: Memo Flint Water System
Attachments: Memo Flint Water System 130418.docx

You were cc'd on the attached memo to the Governor.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

TO: Governor Snyder
CC: Dennis Muchmore, John Roberts, Harvey Hollins, Allison Scott

FROM: Bill Rustem

SUBJECT: Flint Water System

DATE: April 18, 2013

Governor, this information was compiled by the Department of Treasury.

Summary

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, five options were presented: These options ranged from the Flint Water Plant providing 100% water, to 100% provision of untreated Lake Huron Water by KWA, to 100% provision of treated drinking water by DWSD, or provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

From the presentation of the preliminary report in December 2012 to the submission of the final report by TYJT in January 2013, a number of developments made arriving at a final decision very difficult.

- DWSD provided the City of Flint with at least two modified proposals to consider.
- A debate ensued between TYJT and KWA's principal engineering firm regarding the others' conclusions and estimates for construction of the KWA pipeline.
- The Flint EFM eliminated all options except the 100% DWSD option or joining KWA.

In January 2013, the Office of Financial Review (OFR) provided a comprehensive report to the State Treasurer analyzing three questions: 1) The projected construction costs and why Treasury believed the projections provided by Flint/KWA were acceptable; 2) Identification of the construction contingencies; and 3) Identification of the options Flint will utilize in the event of a construction cost overrun or a delay in construction. At the end of this report, the OFR recommended to the State Treasurer that KWA presented the best future option for future potable water. The OFR also concluded that KWA appeared to be the cheaper option; the quality of water would improve; Genesee County appeared willing to assist the City in securing the financing for their portion of the project; the KWA project could signify the beginning of better collaboration between the City of Flint and Genesee County; and the KWA project had both political and popular support.

Between January and April, intense scrutiny of the various proposals was undertaken by Treasury and Flint officials. Treasury officials met with officials from Genesee County to gain a better understanding of

the KWA project. In February 2013, Genesee County opened bids for construction of the Lake Huron intakes. This bid opening represented the first meaningful step toward commencing construction of the KWA system. The bid was $3-million less than projected.

In March 2013, Treasury was notified that DWSD had contacted Flint to negotiate with the City to retain them as a customer. On April 12, 2013, the State Treasurer authorized the Flint EFM to join KWA, pending review of any final offer from DWSD. A final offer was received from DWSD on April 15, 2013.

DWSD's final offer provided two options. The first option was for a "supply only" rate schedule. Only water treatment costs would be recovered and DWDS would absorb all other delivery costs. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon DWSD's Lake Huron WTP. KWA would also have the ability to construct and own its own transmission lines.

The second option was a "full service" rate option. DWSD would provide all production and transmission services. Transmission rates would be calculated only on those costs necessary to supply KWA and no additional transmission rates would be charged. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon the Lake Huron WTP.

Independent analyses of DWSD's final offer by the OFR, the Flint EFM, and the Department of Environmental Quality (DEQ) generally reached the same conclusions:

- DWSD's offer was a framework subject to negotiations and was not a firm offer.
- The offer provided by DWSD was incomplete.
- DWSD's offer did not include a guaranteed rate beyond year one, nor did it limit maximum annual rate increases.
- The DWSD scenarios were based on 40 MGD of service capacity. However, the KWA project provides 60 MGD of initial capacity with potential expansion to 75 MGD.
- DWSD indicates that Flint/ Genesee County would be given "broadened representation," it is unclear exactly what this means in terms of actual control in the decision making processes.
- The DWSD offer relies on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes. In addition, it would leave Genesee County without an adequate backup supply to meet their needs.
- DWSD's offer included an attachment that listed the rank-ordered options (from cheapest to most expensive). DWSD Scenario 2 is listed as the least expensive option (but it is unclear how the total cost of this option was arrived at). DWSD Scenario 1 was not listed.
- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Thursday, April 24, 2014 4:33 PM
Subject: MEDIA ADVISORY: Flint River Water Transition Event

MEDIA ADVISORY:
City of Flint Transition to Flint River Water Ceremony

WHERE: Flint Water Treatment Plant, 4500 N. Dort Hwy. by Stewart Ave.

WHEN: Friday, April 25, 2014 at 2:00pm

Description: The City of Flint is holding a ceremony tomorrow to officially begin the transition to use of the Flint River by shutting the valve to the intake pipe from Detroit.

The DEQ has given Flint final authorization to begin water distribution from the Flint Water Treatment Plant. City, Genesee County, and Michigan Department of Environmental Quality officials will be on hand to witness this historic event and answer media questions.

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Friday, April 25, 2014 4:23 PM
Subject: PRESS RELEASE: Flint Officially Begins Using River
Attachments: Flint.River.Transition.4.25.14.pdf

For Immediate Release

City of Flint Officially Begins Using Flint River as Temporary Primary Water Source

Flint, Michigan – April 25, 2014 – For the first time in fifty years, the City of Flint is using the Flint River—part of the Saginaw River watershed—as a primary water source for city residents. Today the valve to the pipeline from Detroit was closed and the Flint River officially became Flint's water supply. The temporary switchover is scheduled to support the city's primary water needs for the next two years while construction of the forthcoming pipeline from Lake Huron is completed by Karegnondi Water Authority. Officials from the City of Flint, the Genesee County Drain Commission and the Michigan Department of Environmental Quality were all on hand to witness the historic event.

The Flint River was once the primary source of water for city residents up to the 1960s. Over the past 40 years, it has provided water to city residents as a back-up to water provided to us by Detroit. During our partnership with Detroit, Flint has had to transition to the use of the Flint River for residential water on a few different occasions, with the most recent temporary switchover happening in 2009. Each temporary stint on local water proved three things to city employees and residents alike: That a transition to local river water could be done seamlessly, and that it was both sensible and safe for us to use our own water as a primary water source in Flint.

Even with a proven track record of providing perfectly good water for Flint, there still remains lingering uncertainty about the quality of the water. In an effort to dispel myths and promote the truth about the Flint River and its viability as a residential water resource, there have been numerous studies and tests conducted on its water by several different independent organizations. In addition to what has been found in independent

studies, it is also the responsibility of the City of Flint Water Service Center to continually test the water provided to city residents. Michael Prysby of the Michigan DEQ Office of Drinking Water verified that "the quality of the water being put out meets all of our drinking water standards and Flint water is safe to drink."

For nearly 10 years Mike Glasgow has worked in the laboratory at the City of Flint Water Service Center. He has run countless tests on our drinking water to ensure its safety for public use. Mike has not only conducted tests on water provided to us by Detroit, but also on local water from nearby rivers, lakes and streams including the Flint River. When asked if over the last decade if he has seen any abnormalities of major concern in the water, his response was an emphatic, "No." In his words, "there has been nothing seen that was of major concern," during his ongoing tenure working in the lab. "The tests results have shown that our water is not only safe, but of the high quality that Flint customers have come to expect," announced DPW Director Howard Croft, "we are proud of the end result."

Apart from the water plant's devotion to ensuring that our water is good, Flint is doubly blessed in having the Flint River Watershed Coalition as a separate organization dedicated to monitoring the overall welfare of local bodies of water, overseeing more than 30 different nearby locations. Rebecca Fedewa has been director of the watershed coalition since 2008. By virtue of her passion for her work and her position on the board, she is very conversant with the condition of the Flint River. In her words, "The Flint River is increasingly healthy, and completely suitable as a drinking water source." Fedewa and FRWC are working closely with the city "to monitor flows and habitats between the intake and the waste water treatment plant to ensure there are minimal to no impacts to the overall health of the river."

FRWC also invites city residents to be a part of their monitoring exercises during this spring in order "to gain firsthand knowledge in the health and vitality of our Flint River." Mayor Dayne Walling invited everyone at today's event to toast to Flint's water. "It's regular, good, pure drinking water, and it's right in our backyard," said Mayor Walling, "this is the first step in the right direction for Flint, as we take this monumental step forward in controlling the future of our community's most precious resource."

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Darnell Earley
ICMA-CM, MPA
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

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–CONTINUE–

Darnell Earley
ICMA-CM, MPA
Emergency Manager

Dayne Walling
Mayor

Even with a proven track record of providing perfectly good water for Flint, there still remains lingering uncertainty about the quality of the water. In an effort to dispel myths and promote the truth about the Flint River and its viability as a residential water resource, there have been numerous studies and tests conducted on its water by several different independent organizations. In addition to what has been found in independent studies, it is also the responsibility of the City of Flint Water Service Center to continually test the water provided to city residents. Michael Prysby of the Michigan DEQ Office of Drinking Water verified that "the quality of the water being put out meets all of our drinking water standards and Flint water is safe to drink."

For nearly 10 years Mike Glasgow has worked in the laboratory at the City of Flint Water Service Center. He has run countless tests on our drinking water to ensure its safety for public use. Mike has not only conducted tests on water provided to us by Detroit, but also on local water from nearby rivers, lakes and streams including the Flint River. When asked if over the last decade if he has seen any abnormalities of major concern in the water, his response was an emphatic, "No." In his words, "there has been nothing seen that was of major concern," during his ongoing tenure working in the lab. "The tests results have shown that our water is not only safe, but of the high quality that Flint customers have come to expect," announced DPW Director Howard Croft, "we are proud of the end result."

Apart from the water plant's devotion to ensuring that our water is good, Flint is doubly blessed in having the Flint River Watershed Coalition as a separate organization

–CONTINUE–

Darnell Earley
ICMA-CM, MPA
Emergency Manager

Dayne Walling
Mayor

dedicated to monitoring the overall welfare of local bodies of water, overseeing more than 30 different nearby locations. Rebecca Fedewa has been director of the watershed coalition since 2008. By virtue of her passion for her work and her position on the board, she is very conversant with the condition of the Flint River. In her words, "The Flint River is increasingly healthy, and completely suitable as a drinking water source." Fedewa and FRWC are working closely with the city "to monitor flows and habitats between the intake and the waste water treatment plant to ensure there are minimal to no impacts to the overall health of the river."

FRWC also invites city residents to be a part of their monitoring exercises during this spring in order "to gain firsthand knowledge in the health and vitality of our Flint River." Mayor Dayne Walling invited everyone at today's event to toast to Flint's water. "It's regular, good, pure drinking water, and it's right in our backyard," said Mayor Walling, "this is the first step in the right direction for Flint, as we take this monumental step forward in controlling the future of our community's most precious resource."

–END–

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Wednesday, August 20, 2014 5:41 PM
Subject: PRESS RELEASE: Boil Water Advisory Lifted
Attachments: Boil Water Advisory Lifted 8.20.14.pdf

For Immediate Release

City of Flint Boil Water Advisory has been Lifted, All Testing Indicates Contaminant Free Water throughout the City.

Flint, Michigan – August 20, 2014 – The City of Flint's Utilities Department has received word today from the Department of Environmental Quality that the boil water advisory issued for a small portion of the city has been lifted. Testing that occurred over the past 24 hours as part of the City's normal water quality monitoring has returned showing no signs of coliform bacteria in any of the sampling areas throughout the city.

Following the initial positive test result on August 12, resampling was done on August 13th. One sample did yield a positive result for fecal coliform bacteria. On August 14, another round of resampling was done and two locations tested positive for total coliform bacteria. August 16's samples resulted in two positive samples for total coliform. August 17's samples resulted in one sample testing positive for total coliforms. Each day samples were collected within the boil water area, both upstream and downstream from the initial location. To address the total coliform issue the City increased the Chlorine and flushed more fresh water into the area. Flushing was to add chlorine to the boil water area.

Whenever a sample results in a positive for total coliform, a second test is performed for E. coli. No samples following the initial fecal coliform positive test have shown any E. coli bacteria. The city of Flint Utilities Department in conjunction with the MDEQ worked to investigate possible causes of the positive sample results in this area; these could have included water main breaks, loss of pressure, cross connection, unauthorized connection to the water system, and sampling error.

Follow-up testing needed to continue until three days of sampling showed negative results for E. coli. That testing concluded with negative results as of yesterday. The DEQ's advice to continue the boil-water advisory was due to an abundance of caution.

Total coliform is a naturally occurring and generally harmless. Total coliform positive results generate more testing, but do not initiate a boil water notice. When total coliform is detected, follow-up tests are conducted to determine if the water contained the more problematic E-coli bacteria. DEQ sampling protocols allow for 5% of the samples to contain coliform without need for immediate concern or notification.

All subsequent testing to date has indicated no E-coli. "We've gone above and beyond the DEQ sampling requirements to verify that the City's water is safe in all areas. We are working closely with the MDEQ and pleased to announce their authorization to lift the Notice. The continuation of the Notice was at the request of the DEQ so we could include the normal City wide test results", said Flint Utilities Director Daugherty Johnson.

Drinking water contamination due to E-coli or coliform bacteria is very rare due to the fact that the bacteria cannot survive in the water for very long. The colder temperature

of water in the system coupled with the regular blending of chlorine into the water makes for a hostile environment for these kinds of bacteria.

Mike Prysby, district engineer for the Michigan Department of Environmental Quality, said, "The Flint Water Treatment Plant has met all applicable drinking water standards during the entire episode including total fecal coliform bacteria. This episode was isolated to the distinct section (of the city)."

Testing of the drinking water is a part of the routine process for ensuring the quality and safety of the system which happens weekly at ten different sites around the city. The Flint Water Treatment Plant works diligently to provide water of the highest quality to everyone in the city.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
DARNELL EARLEY
ICMA-CM, MPA

Jason Lorenz
Public Information Officer
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–CONTINUE–

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
DARNELL EARLEY
ICMA-CM, MPA

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–CONTINUE–

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
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Mike Prysby, district engineer for the Michigan Department of Environmental Quality, said, "The Flint Water Treatment Plant has met all applicable drinking water standards during the entire episode including total fecal coliform bacteria. This episode was isolated to the distinct section (of the city)."

Testing of the drinking water is a part of the routine process for ensuring the quality and safety of the system which happens weekly at ten different sites around the city. The Flint Water Treatment Plant works diligently to provide water of the highest quality to everyone in the city.

–END–

City Hall
1101 S. Saginaw Street - Flint, Michigan 48502
810-766-7346 FAX: 810-766-7218 www.cityofflint.com

CITY OF FLINT

Department of Public Works

Dayne Walling
Mayor

Darnell Earley, ICMA-CM, MPA
Emergency Manager

Howard Croft
Director

Date: August 20, 2014

BOIL WATER NOTICE LIFTED

It is no longer necessary to use boiled or bottled water for drinking or cooking.

On August 15, 2014 you were notified of the need to boil all tap water used for drinking and cooking. Corrective measures have been taken and no coliform bacteria have been detected in follow-up testing of the system's water. The water is safe to drink. We apologize for any inconvenience and thank you for your patience.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

For more information, please contact Brent Wright of City of Flint Water Treatment Plant at 810-787-6537, bwright@cityofflint.com .

4500 N. Dort Hwy
Flint, MI 48505

This notice is being sent to you by City of Flint, water supply serial number 2310.

Howard D. Croft
Public Works Director

From: Darnell Earley <dearley@cityofflint.com>
Sent: Wednesday, September 17, 2014 7:55 AM
To: Hollins, Harvey (GOV)
Subject: Fwd: Boil Water Advisory Review
Attachments: Boil Water Advisory Advisory_Memorandum.pdf; Boil Water Advisory Review_White paper.docx

Harvey,

Take a look at the attached information and let me know if this will work for you. This is a start. If you need any additional information about this matter we can get that for you as well.

DE

---------- Forwarded message ----------
From: "Howard Croft" <hcroft@cityofflint.com>
Date: Sep 16, 2014 11:02 PM
Subject: Boil Water Advisory Review
To: "Darnell Earley" <dearley@cityofflint.com>
Cc:

Mr. Earley,

The Public Works committee meeting ran a little long and I had a late start on this but was able to complete a bullet point overview of the boil water advisory. One copy is in white paper format and the other is an official memorandum. I tried to condense this into a comprehensive overview that focused on the main aspects.

I can add further details if this is not sufficient.

Thank you,

--
Howard Croft
Public Works Director
City of Flint
1101 S. Saginaw Street
Flint, MI 48502
PH# 810.766.7346 Ext.2043
hcroft@cityofflint.com

CITY OF FLINT

Department of Public Works

Dayne Walling
Mayor

Darnell Earley, ICMA-CM, MPA
Emergency Manager

Howard Croft
Director

MEMORANDUM

TO: Darnell Earley, Emergency Manager

FROM: Howard Croft, Public Works Director

DATE: September 16, 2014

RE: Recent Boil Water Advisory

Mr. Earley,

I have compiled a bullet point list of the pertinent events surrounding the recent boil water advisory in the City of Flint. I have separated the events into five categories and attempted to condense them into a comprehensive sequence for your review.

OVERVIEW

- On Friday September 5th the City of Flint issued a boil water advisory to residents in two of ten test areas around the city.
- The advisory was due to multiple positive tests for "total coliform" and the area covered approximately 9 square miles.
- On Sunday September 7th the City expanded the advisory to include another of the ten test areas due to a subsequent positive test.
- The boil water advisories were lifted on Tuesday September 9th at 5:00 after consultation with the DEQ.

BACKGROUND

- State of Michigan Regulations requires that the City of Flint Water Treatment Plant perform testing of its water distribution system on a routine basis in ten different locations around the City.
- The tests take twenty four hours to produce valid results and are sent directly to the Department of Environmental Quality for review.
- Test results which show positive for "Ecoli" or "fecal coliform" trigger boil water notices for the test area and the advisories usually remain in effect until three consecutive tests return negative results.
- A single positive test for "total coliform" does not generally result in a boil water advisory, rather it indicates that the environment is conducive for bacteria.
- Typically, investigation into possible causes followed by corrective measures such as flushing the affected area with open hydrants will cleanse the system.
- This process is overseen by an employee who is required to hold an F-1 State License and is listed as the Operator in Charge of the Water Plant and an employee who holds an S-1 State License which is required to maintain distribution systems of this municipal size.
- The City of Flint has over 500 miles of pipe in its distribution system, much of which is over 70 years old.
- The City of Flint has over ten-thousand valves throughout its distribution system.
- The City of Flint has a professional reliability study of its system, that was updated in December 2013.

PROBLEM

- ❖ After detecting the initial positive test for total coliform, normal procedures did not clear the condition and multiple positive tests ensued.
- ❖ The continued positive total coliform tests were the cause for issuing the boil water notice.
- ❖ Additional discoveries showed that residual chlorine levels in the affected area were considerably lower than normal.

SOLUTION

- ✓ On Monday September 8th the City convened all licensed personnel, Utility Supervisors, and DPW Director to a single meeting location and held a brainstorming session with the DEQ on conference call.
- ✓ It was agreed that while not totally isolated, the concern was mainly present in a specific large transmission line that ran through all positive testing areas.
- ✓ It was determined to expand the hydrant flushing outside of the immediate impact area.
- ✓ It was found that a 24" valve which feeds this transition main was broken in the OFF position outside of the immediate impact area.
- ✓ The broken valve was preventing fresh water from being pushed directly into the impacted area while causing water to travel from the water plant around the entire city and preventing adequate circulation of fresh water.
- ✓ In repairing the broken valve, virtually all of the symptoms were erased over a 24 hour period and the chlorine count has steadily risen back to normal levels throughout the transmission main.

CONCLUSION

- ✓ The City was in direct contact with DEQ personnel daily.
- ✓ The positive tests were for "total coliform" only.
- ✓ The following statement about total coliform was approved by the DEQ and made in writing to the public as part of the recent boil water.

Total coliform bacteria are generally not harmful themselves. Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present.
Usually, coliforms are a sign that there could be a problem with the treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or E. coli, are present. We did not find any of these bacteria in our subsequent testing. If we had, we would have notified you immediately. However, we are still finding coliforms in the drinking water.

- ✓ The City of Flint is in the first year of strategic budgetary investment in an infrastructure strategy.
- ✓ The City of Flint infrastructure strategy has been, and will continue to be developed with state licensed employees, industry experts, and proven experienced consultants.

Howard D. Croft
Public Works Director

City of Flint
September 5th 2014 Boil Water Advisory Review

OVERVIEW

- On Friday September 5th the City of Flint issued a boil water advisory to residents in two of ten test areas around the city.
- The advisory was due to multiple positive tests for "total coliform" and the area covered approximately 9 square miles.
- On Sunday September 7th the City expanded the advisory to include another of the ten test areas due to a subsequent positive test.
- The boil water advisories were lifted on Tuesday September 9th at 5:00 after consultation with the DEQ.

BACKGROUND

- State of Michigan Regulations requires that the City of Flint Water Treatment Plant perform testing of its water distribution system on a routine basis in ten different locations around the City.
- The tests take twenty four hours to produce valid results and are sent directly to the Department of Environmental Quality for review.
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From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Thursday, September 25, 2014 5:26 PM
Subject: PRESS RELEASE: Fall Hydrant Flushing
Attachments: Fall.Hydrant.Flushing.9.25.14.pdf

For Immediate Release

Fire Hydrant Flushing Scheduled to Occur in Areas of the City of Flint Beginning Friday, September 26, 2014

Flint, Michigan – September 25, 2014 – The City of Flint's Water Service Center will be doing fire hydrant flushing throughout the city beginning on Friday, September 26, 2014 that will continue throughout the weekend. The hydrant flushing is a part of regular maintenance designed to enhance the circulation of water in the system and a part of the city's effort to provide high quality water to its residents and businesses. This activity is expected to continue throughout the Fall in various parts of the City and will have no effect on water usage by residents and businesses.

Residents in the areas where flushing is taking place should expect to see activity by City crews and signs marking open hydrants. "There will be ongoing hydrant flushing as needed and all hydrants in the city will be flushed within the next several weeks," said Utilities Administrator Daugherty Johnson. "If you see a hydrant with a barricade on it we are aware of it running and its part of the normal safe operation of a large municipal drinking water system."

Water distribution systems commonly flush hydrants in an effort to reduce retention times within the system. This coupled with constant sampling ensures high quality water to the customer and helps to avoid any future boil water notices. The flushing going on currently is reactionary to water plant chlorine residual testing and is very dynamic as the chlorine residuals change at different rates.

"Hydrant flushing is a necessary display of proper system maintenance/operation and should be looked upon favorably by everyone," said Robert Bincsik, City of Flint Water Distribution and Sewer Maintenance Supervisor. "After all, hydrants are one of the only visible parts of a water distribution system and serve as a way to visually monitor the system."

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
DARNELL EARLEY
ICMA-CM, MPA

Jason Lorenz
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–CONTINUE–

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
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–END–

City Hall
1101 S. Saginaw Street - Flint, Michigan 48502
810-766-7346 FAX: 810-766-7218 www.cityofflint.com

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Wednesday, October 15, 2014 5:12 PM
Subject: PRESS RELEASE: Water Main & System Repairs
Attachments: Water Map 10.15.2014.pdf; Water Main Repairs 10.15.14.pdf

MEDIA AVAILABILITY FOR QUESTIONS AND COMMENTS WILL BE 9:00AM, THURSDAY OCTOBER 16, 2014. PLEASE CONTACT THIS OFFICE TO CONFIRM.

For Immediate Release

Major Water Line Repairs Will Take Place in Robert T. Longway Blvd & Dort Hwy. Area, More Repairs to System Scheduled

Flint, Michigan – October 15, 2014 – The City of Flint's Department of Public Works is working to repair a water main break in the area of Dort and Longway. That repair will be followed by more scheduled repairs to the system in the area which will begin on Saturday, October 18, 2014 and which should be completed by evening Sunday, October 19. The work being performed will result in improved operational control over a large transmission line running down Dort Hwy. which will include improving chlorine residuals in the southern portion of Flint. No residential customers are connected to this line; however, there will be a reduction of pressure to the system, which may cause low water pressure in the surrounding area.

In accordance with DEQ regulations the City of Flint will be issuing a Boil Water Advisory for the area (see attached map) ONLY if residents lose water service during this 24 hour period. Residents who lose water service during that time should expect to use boiled water for 24 hours after service is restored based on testing. If residents in the area do not experience a loss of water service, then there is no need to boil water. Any residents who do experience a loss of water should call the Water Service Center at 810-766-7202 between 8:00am and 4:00pm on Saturday to report the issue.

A Boil Water Advisory is restricted to drinking water and un-boiled water used for cooking. Once again, this is merely a precaution as no one in the affected area should be directly connected to the portion of the system being repaired. Low pressure and discoloration may occur for those in the area, but this is no cause for concern. The City of Flint asks that residents watch their local news station for announcement of the completion of repairs.

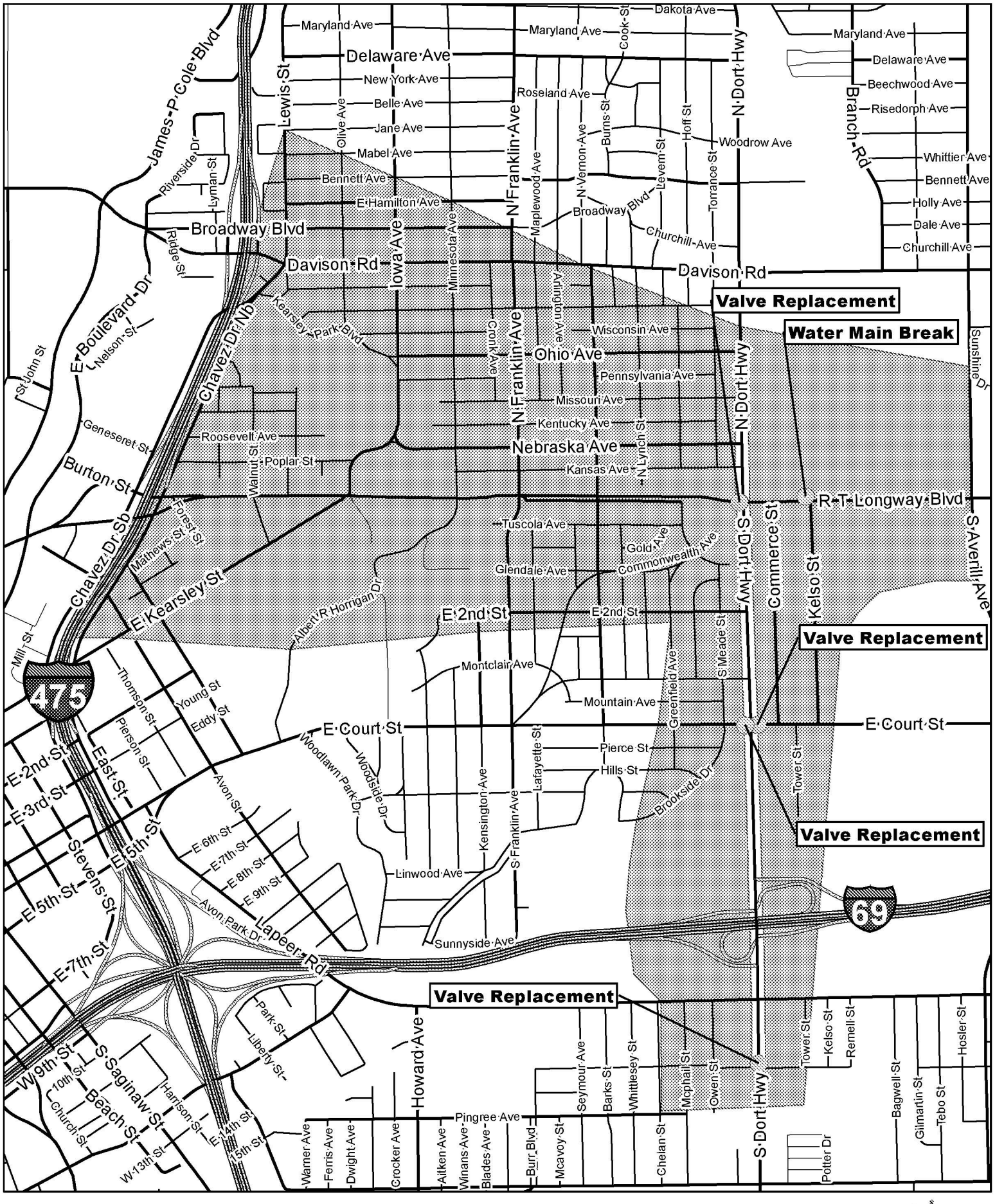
A break in the sixteen inch water main was discovered a week ago and crews have since been examining the surrounding system. As a result of that examination, a number of valves in the area were identified as "long overdue" for replacement. "The valves we are replacing in this area have needed attention for quite some time," said Flint Utilities Administrator Daugherty Johnson, "the fact that we now have the resources and planning to perform this work is a tremendous benefit for the entire City."

All of the scheduled work taking place is part of an ongoing, broader plan to examine different sections of the water system citywide for needed repairs and upgrades. Upgrading critical infrastructure such as the water system is a key part of the City's Strategic Plan, which is directly guided by the Master Plan, and part of the City's commitment to deliver the highest quality water possible.

– ATTACHMENT (Affected Area Shaded)–

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com


Valve Replacement
Water Main Break
Valve Replacement
Valve Replacement
Valve Replacement
Maryland Ave
Delaware Ave
New York Ave
Belle Ave
Jane Ave
Mabel Ave
Bennett Ave
E Hamilton Ave
Broadway Blvd
Davison Rd
Wisconsin Ave
Ohio Ave
Pennsylvania Ave
Missouri Ave
Kentucky Ave
Nebraska Ave
Kansas Ave
Tuscola Ave
Glendale Ave
Gold Ave
Commonwealth Ave
E Kearsley St
E 2nd St
Montclair Ave
Mountain Ave
E Court St
Pierce St
Hills St
Linwood Ave
Sunnyside Ave
Lapeer Rd
Avon Park Dr
Howard Ave
Pingree Ave
Broadway Blvd
Churchill Ave
Woodrow Ave
Whittier Ave
Holly Ave
Dale Ave
Risedorph Ave
Beechwood Ave
Roseland Ave
Cook St
Dakota Ave
Lewis St
James P Cole Blvd
Riverside Dr
Lyman St
Olive Ave
Maplewood Ave
Burns St
Hoff St
Levern St
Torrance St
N Vernon Ave
Arlington Ave
Crotona Ave
Minnesota Ave
Iowa Ave
Ridge St
Kearsley Park Blvd
Chavez Dr Nb
Chavez Dr Sb
E Boulevard Dr
Nelson St
St John St
Geneseret St
Burton St
Roosevelt Ave
Poplar St
Walnut St
Forest St
Mathews St
Mill St
Thomson St
Young St
Eddy St
Pierson St
E 2nd St
East St
E 3rd St
E 5th St
Stevens St
E 6th St
E 7th St
E 8th St
E 9th St
Avon St
Woodlawn Park Dr
Woodside Dr
Kensington Ave
Lafayette St
S Franklin Ave
Albert R Horrigan Dr
Greenfield Ave
S Meade St
Brookside Dr
Tower St
Commerce St
Kelso St
S Averill Ave
R T Longway Blvd
Sunshine Dr
N Franklin Ave
N Dort Hwy
S Dort Hwy
Branch Rd
Park St
Liberty St
W 9th St
W 10th St
S Saginaw St
Beach St
Church St
Harrison St
E 14th St
E 15th St
W 13th St
Warner Ave
Ferris Ave
Dwight Ave
Crocker Ave
Aitken Ave
Winans Ave
Blades Ave
Burr Blvd
Mcavoy St
Chelan St
Seymour Ave
Barks St
Whittlesey St
Mcphail St
Owen St
Remell St
Bagwell St
Gilmartin St
Tebo St
Hosler St
Potter Dr
475
69
N
1 in = 1,438 ft
0 500 1,000 2,000 3,000
Feet
City of Flint
Date: 10/15/2014

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
DARNELL EARLEY
ICMA-CM, MPA

Jason Lorenz
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For Immediate Release

Major Water Line Repairs Will Take Place in Robert T. Longway Blvd & Dort Hwy. Area, More Repairs to System Scheduled

Flint, Michigan – October 15, 2014 – The City of Flint's Department of Public Works is working to repair a water main break in the area of Dort and Longway. That repair will be followed by more scheduled repairs to the system in the area which will begin on Saturday, October 18, 2014 and which should be completed by evening Sunday, October 19. The work being performed will result in improved operational control over a large transmission line running down Dort Hwy. which will include improving chlorine residuals in the southern portion of Flint. No residential customers are connected to this line; however, there will be a reduction of pressure to the system, which may cause low water pressure in the surrounding area.

In accordance with DEQ regulations the City of Flint will be issuing a Boil Water Advisory for the area (see attached map) ONLY if residents lose water service during this 24 hour period. Residents who lose water service during that time should expect to use boiled water for 24 hours after service is restored based on testing. If residents in the area do not experience a loss of water service, then there is no need to boil water.

–CONTINUE–

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
DARNELL EARLEY
ICMA-CM, MPA

Any residents who do experience a loss of water should call the Water Service Center at 810-766-7202 between 8:00am and 4:00pm on Saturday to report the issue.

A Boil Water Advisory is restricted to drinking water and un-boiled water used for cooking. Once again, this is merely a precaution as no one in the affected area should be directly connected to the portion of the system being repaired. Low pressure and discoloration may occur for those in the area, but this is no cause for concern. The City of Flint asks that residents watch their local news station for announcement of the completion of repairs.

A break in the sixteen inch water main was discovered a week ago and crews have since been examining the surrounding system. As a result of that examination, a number of valves in the area were identified as "long overdue" for replacement. "The valves we are replacing in this area have needed attention for quite some time," said Flint Utilities Administrator Daugherty Johnson, "the fact that we now have the resources and planning to perform this work is a tremendous benefit for the entire City."

All of the scheduled work taking place is part of an ongoing, broader plan to examine different sections of the water system citywide for needed repairs and upgrades. Upgrading critical infrastructure such as the water system is a key part of the City's Strategic Plan, which is directly guided by the Master Plan, and part of the City's commitment to deliver the highest quality water possible.

– ATTACHMENT (Affected Area Shaded)–

City Hall
1101 S. Saginaw Street - Flint, Michigan 48502
810-766-7346 FAX: 810-766-7218 www.cityofflint.com

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
DARNELL EARLEY
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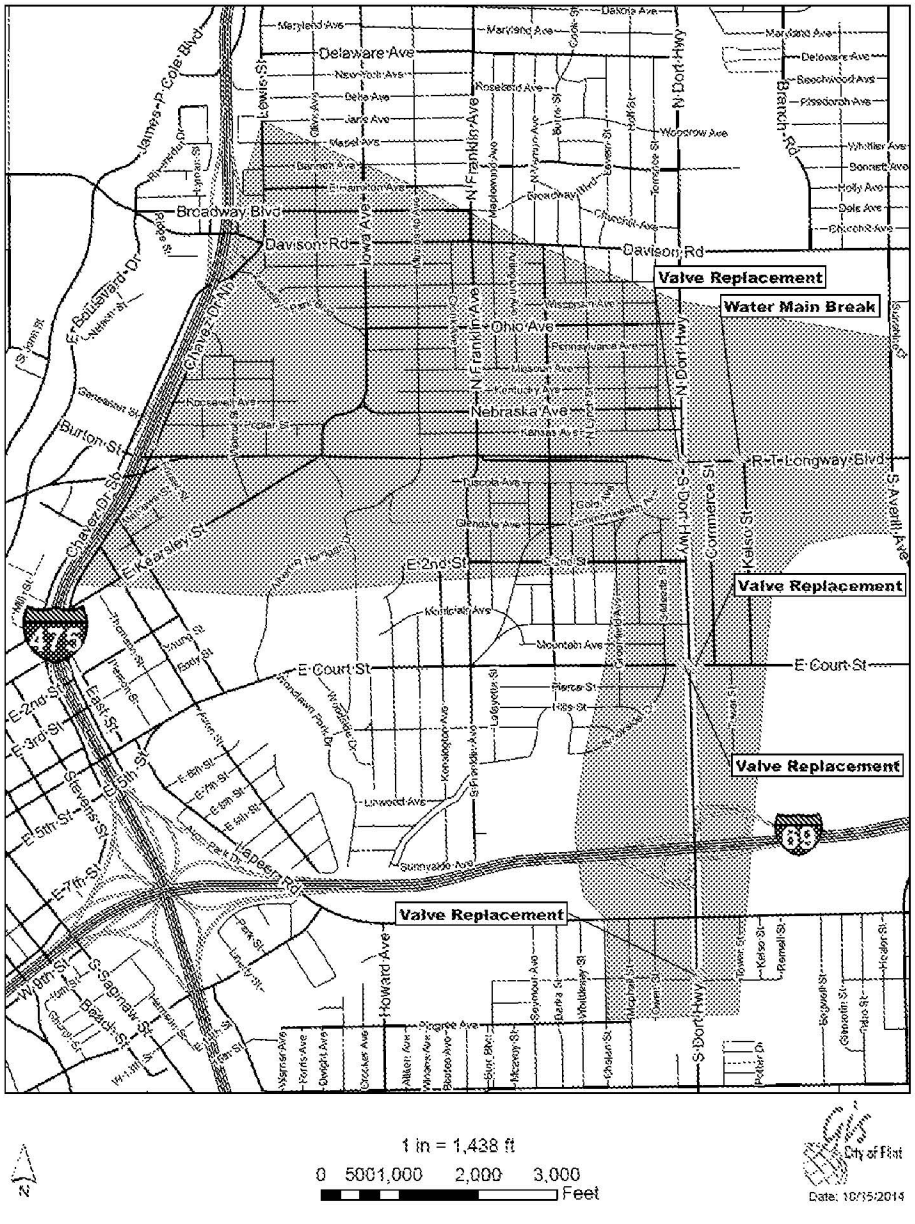

–END–

City Hall
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810-766-7346 FAX: 810-766-7218 www.cityofflint.com

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Thursday, October 16, 2014 2:14 PM
Subject: PRESS RELEASE: Statement on GM Water Agreement
Attachments: GM.Water.Agreement.Statement.pdf

For Immediate Release

Water Issues for General Motors are Not Issues for Residents

Flint, Michigan – October 16, 2014 – The City of Flint is committed to ensuring that all Flint residents have safe quality drinking water. That is why we recently reached an agreement with General Motors to allow the company to temporarily use Flint Township as a water source for their manufacturing needs.

The City of Flint uses chloride as an important component in making water safe for drinking, but that can cause problems for GM's machining work. The agreement comes after GM raised concerns about chloride levels in Flint's treated water.

This temporary switch is needed to allow GM to use water that does not have the same level of treatment provided for high quality drinking water. This ensures that Flint residents will continue to have safe quality drinking water but minimizes the impact on GM's machining work. City officials continuously test drinking water to ensure quality.

–END–

-Jason Lorenz
Public Information Officer
City of Flint

(810) 237-2039
jlorenz@cityofflint.com

CITY OF FLINT
OFFICE OF EMERGENCY MANAGER
DARNELL EARLEY
ICMA-CM, MPA

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–END–

From: Murray, David (GOV)
Sent: Thursday, February 12, 2015 4:52 PM
To: Fonger, Ronald
Cc: Hollins, Harvey (GOV)
Subject: RE: contact for Harvey Hollins' office

Hi Ron,

Director Hollins and Pastor Harris did speak yesterday, and they continue to engage in discussions about the Flint water issue. Everyone wants Flint residents to have clean, safe water. All parties to the discussions are gathering information about a variety of available options. There have been passionate and productive talks, and they will continue.

Dave

From: Fonger, Ronald [mailto:RFONGER1@mlive.com]
Sent: Thursday, February 12, 2015 4:10 PM
To: Murray, David (GOV)
Subject: RE: contact for Harvey Hollins' office

Ok thanks dave

From: Murray, David (GOV) [mailto:MurrayD1@michigan.gov]
Sent: Thursday, February 12, 2015 3:52 PM
To: Fonger, Ronald
Subject: RE: contact for Harvey Hollins' office

Hi Ron,

Sorry for the delay, will have something for you shortly.

From: Fonger, Ronald [mailto:RFONGER1@mlive.com]
Sent: Thursday, February 12, 2015 11:28 AM
To: Murray, David (GOV)
Subject: contact for Harvey Hollins' office

Dave:
I just spoke to Pastor Alfred Harris with Concerned Pastors for Social Action.
He talked about a conference call yesterday with Harvey Hollins, and said Hollins has asked the cities of Flint and Detroit for information about the cost of supplying water to Flint.
I tried to reach Brad Wurfel as a starting point on this but I'm not having any luck. Who should I be talking to at the state for information on this?
Thanks,

Ron Fonger
MLive Media Group
Reporter

mobile [redacted]
email rfonger1@mlive.com
address 540 S. Saginaw St. #101, Flint MI 48502

From: Jason Lorenz <jlorenz@cityofflint.com>
Sent: Monday, February 16, 2015 6:21 PM
Subject: PRESS RELEASE: Water Advisory Committee
Attachments: Water Advisory Committee Feb.2015.pdf

For Immediate Release

City of Flint to Form Water Advisory Committee from Members of the Community to Share Updates and Concerns

Flint, Michigan – February 16, 2015 – In response to the recent concerns regarding water quality in the City of Flint, a water advisory committee of 40 citizens consisting of business owners, elected officials and members of various community organizations is being formed. The committee's formation comes after the City hired the firm Veolia to provide an analysis of Flint's water system as well as recommendations on actions to improve water quality. The purpose of the committee will be to provide the community with ongoing information on the City's work to maintain a safe water supply and to improve quality.

In addition to gathering information from the City to share during their interactions with the community, committee members will also be expected to share the concerns they receive from the community in order for those concerns to be addressed. Mayor Dayne Walling pointed out that the level of connection between the City and the community provided by the committee is an important step toward ensuring that the public is engaged in this ongoing issue.

"Members of our community have concerns about the quality of their water, the costs associated with delivering it and the problems facing the infrastructure that brings it to them," said Mayor Walling. "As we worked to address each of these areas in turn, keeping our residents, businesses and visitors informed on the progress being made and keeping a dialogue open to hear any new concerns is crucial."

All meetings by the Water Advisory Committee will be open to the public and will be held at easily accessible locations throughout the city. Meetings will be held on a regular basis as work continues at least until the City is receiving its water from the Karegnondi Water Authority, which is anticipated to be in 2016.

The first meeting is anticipated to be during the first week of March, 2015. Letters have been sent to prospective members and confirmation is expected to be received by Friday, February 20, 2015. Any group who has not received an invitation and who would like to have a member participate can send a request to mayor@cityofflint.com.

A second, smaller group of experts in various areas surrounding water is also being formed. The Technical Advisory Committee will consist of members from the areas of health, government, industry, education and scientific research. That group will be announced later this week.

Groups and designated individuals asked to join the Water Advisory Committee:

Flint City Council President

Chair Public Works Cmte.

Concerned Pastors for Social Action

Flint & Genesee Chamber of Commerce

Hurley Medical Center

McLaren Flint

Genesys Health System

The United Way

Big Brothers Big Sisters

Flint Community Schools

Genesee County Commissioner

Genesee County Medical Society

Kettering University

Mott Community College

U of M Flint

Consumers Energy

Flint River Watershed Coalition

Hamilton Community Health Network

Tenacity Brewing (owner/city resident)

Master Plan Infrastructure team

Genesee County Drain Commissioner

The Torch (owner/city resident)

Flint Area Congregations Together

Flint Neighborhoods United

State Rep. Phil Phelps

State Rep. Sheldon Neeley

State Senator Jim Ananich

Governor's Office

U.S. Rep. Dan Kildee

COGIC Alliance

Flint Downtown Small Business Assoc.

Genesee Landlords' Assoc.

Brennan Senior Center

Hasselbring Senior Center

Valley Area Agency on Aging

The Salvation Army

Catholic Charities of Shiawassee and Genesee Counties

Genesee County Health Dept.

–END–

-Jason Lorenz
Public Information Officer
City of Flint
(810) 237-2039
jlorenz@cityofflint.com

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

Jason Lorenz
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–CONTINUE–

Gerald Ambrose
Emergency Manager

Dayne Walling
Mayor

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Valley Area Agency on Aging

The Salvation Army

Catholic Charities of Shiawassee and Genesee Counties

Genesee County Health Dept.

–END–

From: Gerald Ambrose <gambrose@cityofflint.com>
Sent: Wednesday, February 18, 2015 5:01 PM
To: Hollins, Harvey (GOV); Workman, Wayne (TREASURY); Byrne, Randall (Treasury); Koryzno, Edward (Treasury); Widigan, Robert (TREASURY); Saxton, Thomas (Treasury)
Subject: Fwd: Copy of Presentation
Attachments: Flint Public Works Committee Interim Report V6 - Final.pptx

Veolia presentation...interim report

---------- Forwarded message ----------
From: "Nicholas, Robert" <robert.nicholas@veolia.com>
Date: Feb 18, 2015 4:03 PM
Subject: Copy of Presentation
To: <jlorenz@cityofflint.com>, "Elizabeth Murphy" <emurphy@cityofflint.com>, "Howard Croft" <hcroft@cityofflint.com>, "gambrose@cityofflint.com" <gambrose@cityofflint.com>
Cc:

Good Afternoon

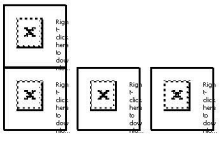
You will find attached a copy of the presentation for this afternoon.

--
Rob Nicholas
Vice President, Development
Municipal & Commercial Business
VEOLIA NORTH AMERICA

tel

+1 859 582 0104

5071 Endview Pass / Brooksville, FL 34601
Robert.Nicholas@veolia.com
www.veolianorthamerica.com



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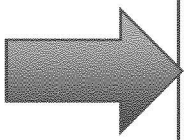
City of Flint, MI
City Council Public Works Committee

Interim Water Quality Report

Veolia Scope of Work

Week 1

- Provide a review of current actions
- Engage staff, visit facilities and analyze data
- Make interim report



Week 2

- Carry out more detailed study of initial findings
- Make recommendations for Improving water quality
- Provide a plan, cost and schedule for change

Items of Note

- **Not in scope** – studying why the change from DWSD or the history of the utility
- **What we found** – A very frustrated community and a staff trying to solve the problem, having some success but frustrated with the pace of change

Everybody Is Checking the Safety of Water

- City, state, news media, universities and other groups
- Safe = compliance with state and federal standards and required testing
  - *Latest tests show water is in compliance with drinking water standards*
  - *Monthly report available on web page*
- More than 20,000 tests required annually for city
- Strict testing requirements in place (what and how to test)

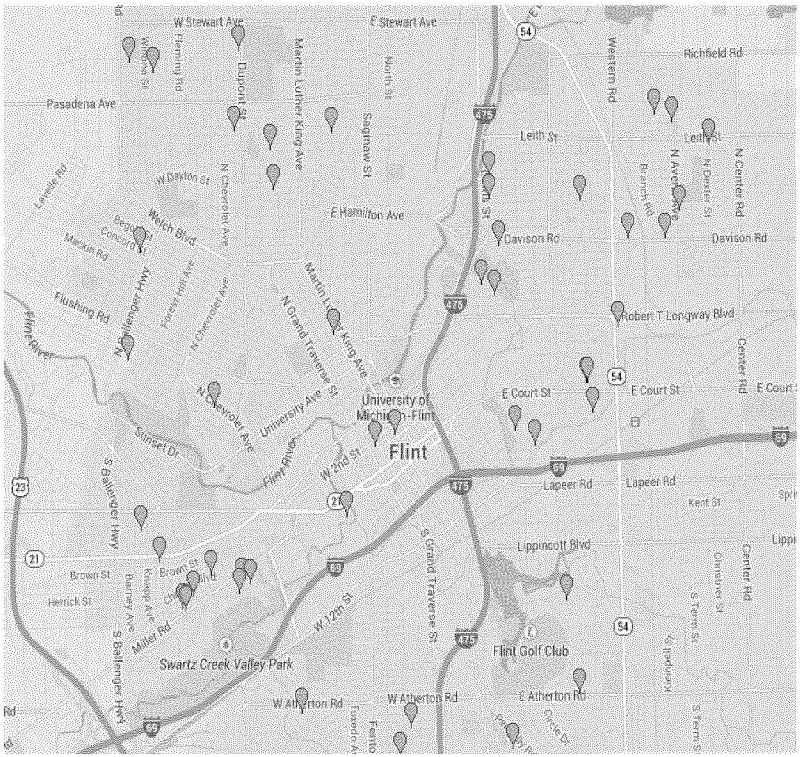
Why TTHM Notices?

- TTHM is formed as a result of the reaction between chlorine and organic material in the water
- City is required to test quarterly at 8 sites
  - *Last summer, several sites had more TTHM than allowed*
- City has reduced levels of TTHM and now all sites are in compliance
  - *Customer notification letters are required until tests are in compliance an average of four quarters*
- It will take at least 2 more quarters to lower average
  - *Even a change to DWSD water doesn't solve problem*
- Flint is not alone – hundreds of communities are facing TTHM issues

Why Discolored Water?

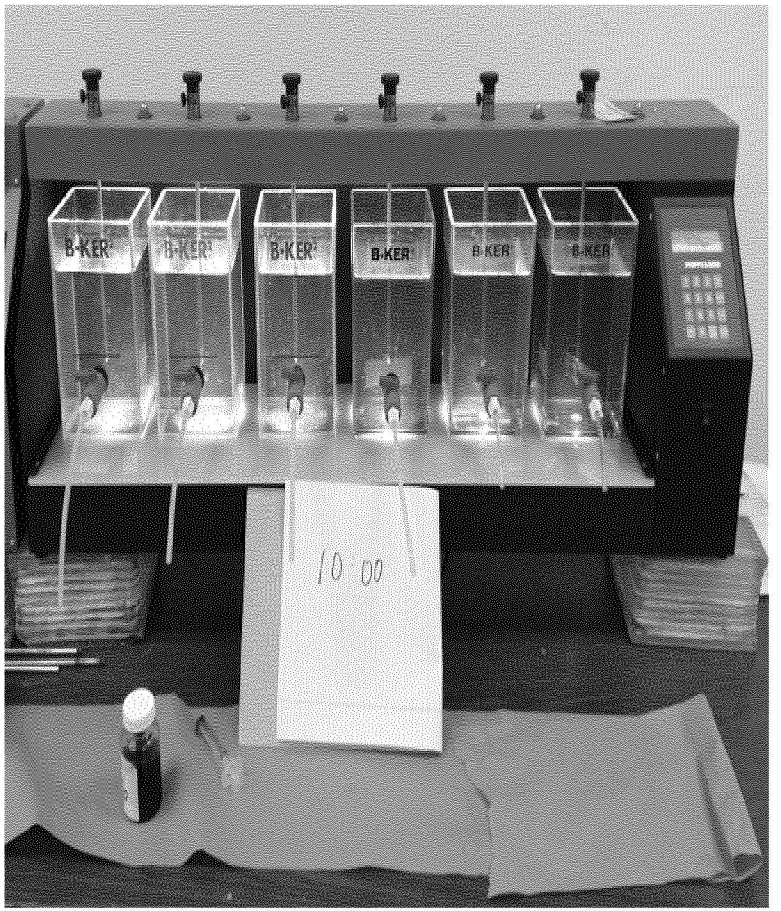
- Old cast iron pipes
- Always has been some discolored water problems – mostly after water breaks
- Efforts to reducing TTHM didn't help discoloration
  - *Doesn't mean the water is unsafe but it is not appealing and raises questions*
- City will test the water at your home – call 787-6537 or email flintwater@cityofflint.com
- Tracking customer complaints is important

Location of water quality complaints
The last 12 months – fewer than you think



Water Quality Can Be Improved

- Adjust the chemicals being fed – stop some, increase some and change some
- Provide better monitoring of water quality to help make adjustments
- Continue repair or replacement of broken parts
- Reduce the over capacity of the distribution system
- Do a better job explaining what is happening
- Do a better job of asking for help



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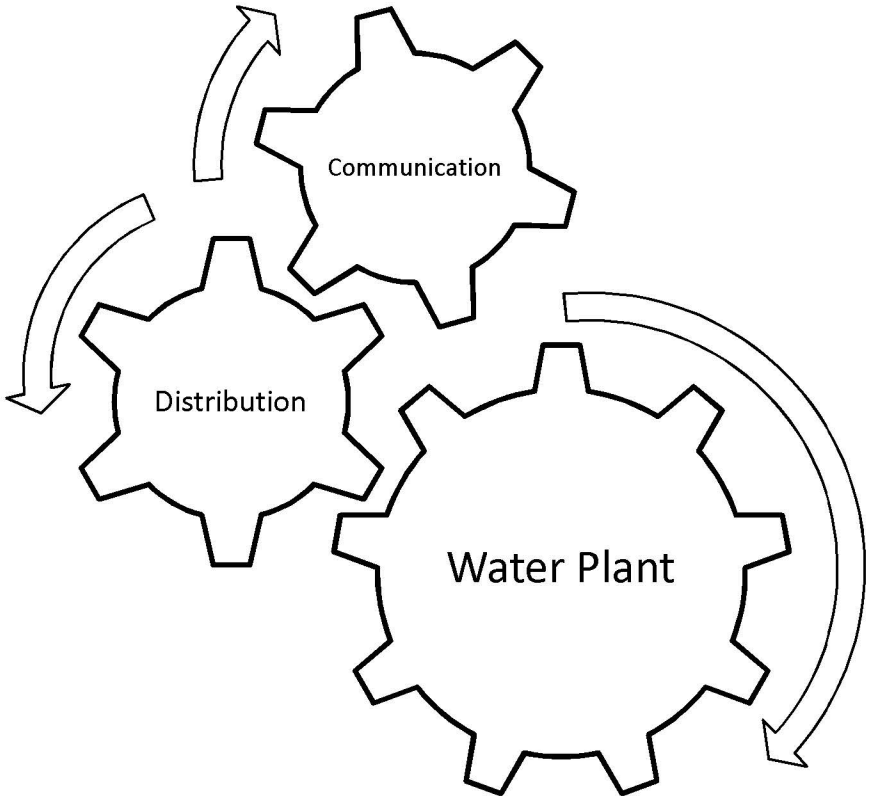
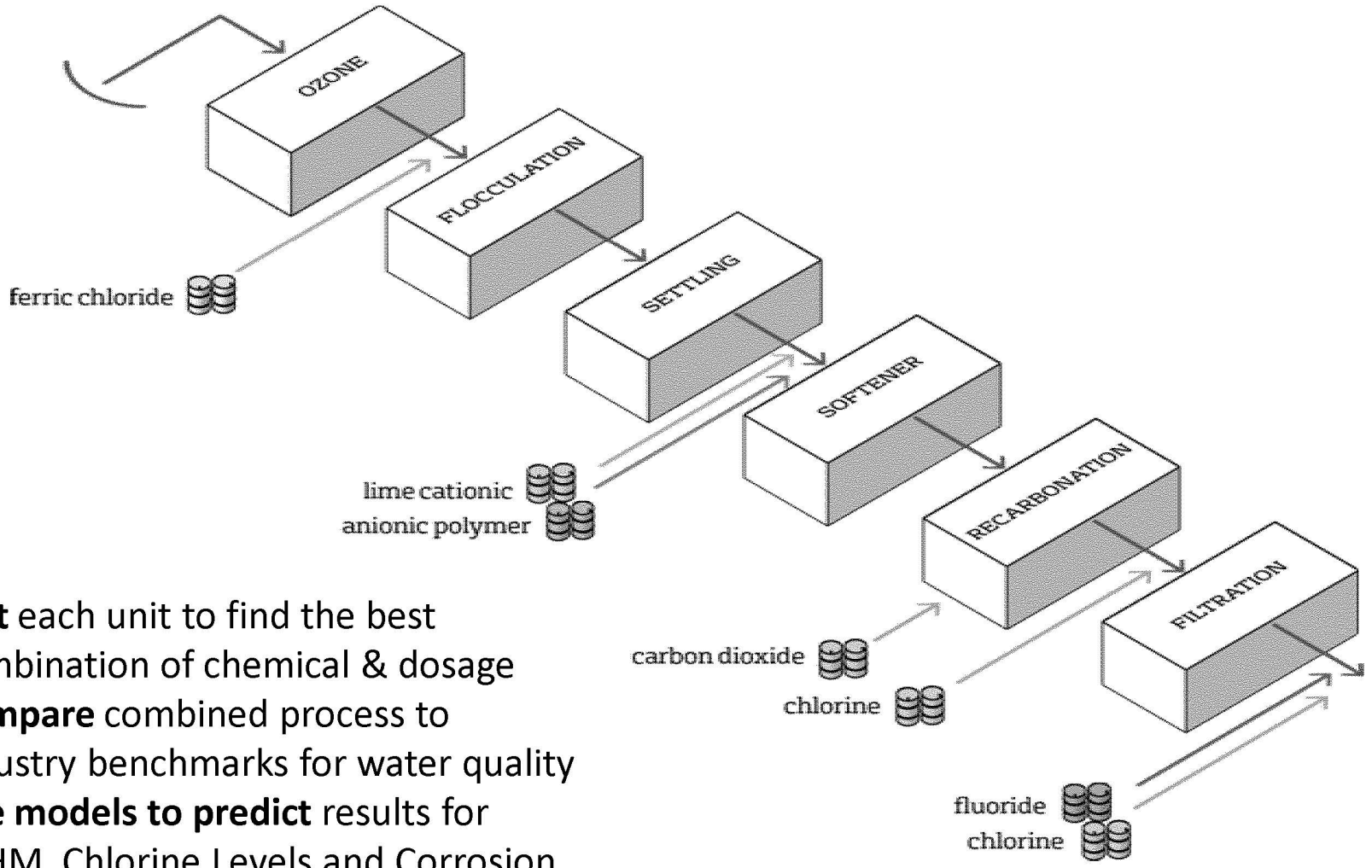
Solution Involves Coordination of 3 Activities



- Water plant improvements
  - *Optimize chemical dosages*
  - *Consider different chemicals*
  - *Change dosing points*
  - *Install granulated activated carbon*
  - *Complete plant upgrades*
  - *Implement best mgt practices*
- Distribution system improvements
  - *Fix broken valves*
  - *Ask for customer feedback*
  - *Reduce tank storage*
  - *Target line flushing*
  - *Run a hydraulic model*
- Better communication with customers
  - *Engage advisory committees*
  - *More accessible utility*
  - *Make it easy to access information*
  - *Better customer communication*

Optimize Plant Processes



- **Test** each unit to find the best combination of chemical & dosage
- **Compare** combined process to industry benchmarks for water quality
- **Use models to predict** results for TTHM, Chlorine Levels and Corrosion

Complete Plant Construction & Re Prioritize Capital

Cost effective plan in budget

- Complete water plant renovation
  - *Target SCADA and instrumentation in plant*
- Speed up valve turning contract & provide money for replacements
- Speed up hydraulic model update to reduce tank volume
- Evaluate installing of granulated activated carbon on filters

Weather can impact timing

Digging up a water valve for repair
Need good weather to start

Implement Best Management Practices

<u>Activities to Help Operators Maintain Good Water Quality</u>

- Process Control Management Plan
- Lab QA/QC Program
- Computerized Maintenance Management System
- Asset Management System
- Training and Certification Program
- Vulnerability Plan

Distribution System Improvements

- Speed up flow of water from plant to homes – 2 weeks plant to house
  - *Find closed valves & open them*
  - *Replace broken valves*
  - *Update hydraulic model*
  - *Reduce system storage*
- Track customer complaints
  - *Test customer water*
  - *Spot flush hydrants to clean areas of stagnant water in the system*

Flushing out discolored water

VEOLIA

Make It Easy to Access Information and People

Develop a proactive customer communication plan

- Create advisory committees to help direct efforts and improve flow of information
- Establish a single point of contact to manage all water quality complaints
- Provide additional customer service training to staff
- Expand neighborhood and community outreach
- Change monthly billing statements from card to envelope with information

Example - Communicate in the field

NOTICE: ANNUAL FLUSHING PROGRAM

We are conducting our annual flushing program to enhance your water quality and clean the distribution system.

DC Water crews will be flushing hydrants in your area 10:00 p.m. to 6:30 a.m. on the following dates:

9/24 **through** 9/30

IMPORTANT INFORMATION

- Your water supply will not be shut off during hydrant flushing.
- You may notice slight water discoloration or low water pressure.
- During this time, customers can continue normal water usage, including drinking, bathing and laundry (unless water is discolored).

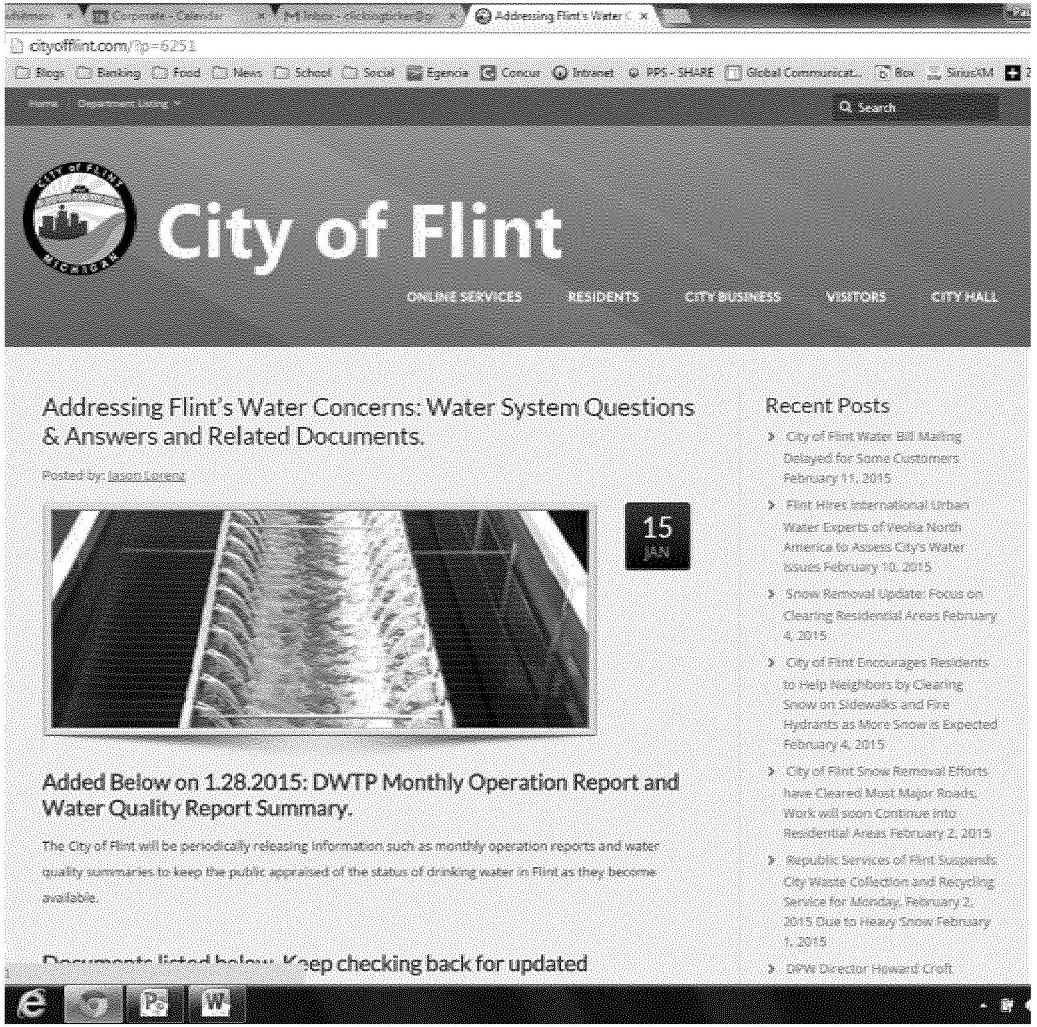
If you experience discolored water during this period:

- Run your cold water taps for 15 minutes. If it does not clear up, please contact our Drinking Water Division.
- Do not run your hot water. If you experience discolored water from your hot water tap for several hours, then it is recommended to drain and flush your water heater tank.

- **Provide field crews with additional communications tools to use to address questions or concerns from the public**
  - ***Create door hangers, flyers, or yard signs to notify neighborhoods about main breaks, hydrant flushing, or system maintenance that may affect the public***
  - ***Create a business card or other contact card with the name and phone number of the single point of contact with the Department of Public Works who is managing information flow***

sample door hanger provided by DC Water & Sewer Authority

Clear, concise information is key



Simplify the reports on the web page dedicated to addressing water system questions

- *Create a single-page, easy to understand report for the public*
- *Use charts or provide other examples to demonstrate water quality testing and system or treatment plant improvements underway*
- *Provide name, phone number and email address for identified point of contact so customers can request more information*
- *Continue to provide Monthly Operation Report and Water Quality Report Summary for those customers interested in more technical information*
- *Use site to provide additional notice of field work that may impact customers*

VEOLIA

Next Steps

Week 1

- Provide a review of current actions
- Engage staff, visit facilities and analyze data
- Make interim report

Week 2

- Carry out more detailed study of initial findings
- Make recommendations for Improving water quality
- Provide a plan, cost and schedule for change

Questions Being Heard

REMEMBER

We just started. Might not have an answer yet to your question

- **When will water improve -** The water has improved with current actions. More changes will occur over weeks and months because of safety reviews
- **Date of next update and final report** – An update will be provided next week and a report the following week.
- **Time frame for implementing recommendations –** The City is already started. Others a few days and some weeks or months due to State approval being required or weather.
- **Cost of changes** – Don't know yet but we are aware of the financial concerns

More Questions Being Heard

- **How are TTHM formed** – It's the reaction of chlorine to organics (leafs, dirt) in the water.
- **How to reduce TTHM** – Reduce organics before introducing chlorine and shorten time chlorine has to react with the organics
- **What causes discoloration** – Older lines, the iron parts of the system will leach iron into the water causing the discoloration. Other times its just air built up.
- **Why no discoloration with DWSD** – There was. Flint had a bad time with breaks of old line and is doing lots of construction. This stirred up the water and caused discoloration.

More Questions Being Heard

- **Can you test my water** – The city will test your water for free. But, only 2 of 20 people have taken the city up on the offer since it began offering the service.
- **Medical problems** – Some people may be sensitive to any water. Talk to your doctor. The City is communicating with the medical community.
- **Confidence that future problems will be avoided** – Recommendations will include putting programs in place to better respond to water changes and assure quality

VEOLIA

From: Elizabeth Murphy <emurphy@cityofflint.com>
Sent: Thursday, February 19, 2015 9:49 AM
To: Hollins, Harvey (GOV)
Cc: Gerald Ambrose; Workman, Wayne (TREASURY)
Subject: Flint Water Cost Analysis
Attachments: DWSD Switch Impact (2).xlsx

Mr. Hollins,
Jerry Ambrose asked me to respond to your request for more information on the Flint water cost analysis chart which you sent him yesterday. Please see the attached chart; it contains an added analysis by Jerry. The sections for which you asked for data can not be provided as we don't calculate prices in the manner you are comparing.

Jerry's chart clearly represents what Flint has been talking about - a major increase in water rates would be necessary to pay the additional charge to purchase DWSD water.

--
Liz Murphy
Assistant to the Emergency Manager
City of Flint
810 237 2025

	B	C	D	E	F	G	H
2		Current Operations		DWSD Reconnect		Impact on Switch to DWSD on the FY 15 Flint Budgeted Water Revenue Set at $37,000,000	% Rate Increase needed to adjust to DWSD Switch
3		Monthly	Annual	Monthly	Annual		
4	Water Usage MCF	71,594	859,128	71,594	859,128		
5	Price Per MCF			$ 14.92	$14.92		
6							
7	Cost of Water Usage per MCF			$ 1,068,182.48	$ 12,818,189.76	$ 12,818,189.76	34.64%
8	Fixed Charge/Month			$ 846,700.00	$ 10,160,400.00	$ 22,978,589.76	62.10%
9	Flint Incremental Cost of Treatment Plant Operation (to continue as a back-up only)	$ 239,587.00	$ 2,875,044.00	$ (239,587.00)	$ (2,875,044.00)	$ 20,103,545.76	54.33%
10	Flint Set aside	$ 250,000.00	$ 3,000,000.00	$ (250,000.00)	$ (3,000,000.00)	$ 17,103,545.76	46.23%
11	Flint Professional Services	$ 700,000.00	$ 8,400,000.00	$ (700,000.00)	$ (8,400,000.00)	$ 8,703,545.76	23.52%
12	Cost of Water/Month Avg.	$3,083,333.33	$37,000,000.00	$ 725,295.48	$ 8,703,545.76	$ 8,703,545.76	23.52%
13							
14	Rate Increase if the New Fee Collection Level to Handle DWSD Additional Cost was $48,403,542					$ 11,403,542.00	30.82%
15							
16		**System Cost**		**Av Cost/resident**			
17		**Annual**	**Monthly**	**Annual**	**Monthly**		
18							
19	**2015 Budgeted Revenues for Water**	**$37,000,000**	**$3,083,333**	**$1,788**	**$149**		
20							
21							
22	Add fixed charge for DWSD	$10,160,400	$846,700				
23	Add commodity charge from DWSD	$12,818,190	$1,068,182.50				
24	Deduct cost for WTP water operations	-$2,875,044	-$239,587				
25	Deduct Flint Set aside	-$3,000,000	-$250,000				
26	Deduct All Maintence and Improvement Costs*	-$8,400,000	-$700,000				
27							
28	**Additional Costs with DWSD**	**$45,703,546**	**$3,808,629**	**$2,208.59**	**$184.05**		
29	Increase ($)	$8,703,546	$725,296	$420.59	$35.05		
30	Increase(%)	23.52%	23.52%	23.52%	23.52%		
31							
32	* NOTE: DEDUCTING ALL MAINTENANCE AND IMPROVEMENT COSTS IS UNREALISTIC AND FURTHER DEGRADES THE SYSTEM			Given the note, this would likely be the minimum rates would need to be increased			

From: Gerald Ambrose <gambrose@cityofflint.com>
Sent: Friday, February 20, 2015 1:17 PM
To: Hollins, Harvey (GOV)
Subject: Re: Flint Water Cost Analysis

It would be interesting to back into the numbers that Harvey wants....but I am assuming you or Al can break up the $149 into fixed and commodity.

On Fri, Feb 20, 2015 at 12:56 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:

Ms. Murphy,

Thank you. The calculations in the table was provided by treasury and I was seeking clarification. I am not a water expert, but I learned that typically, most rates have two components.

1. Fixed-cost recovery charge

This charge is based on the size of the water meter at the home or business. Most residential customers will have a meter between 5/8$^{th's}$ of an inch and 1 inch.

2. Consumption Charge

This charge is based on the amount of water used. The rate for usage is determined by the distance and elevation of the home or business from the water source.

MCF is used in many place for calculating rates; however, since Flint is currently not using this calculation, what are the cost components that make up the $149 avg. monthly charge to the resident?

Best,

Harvey

From: Elizabeth Murphy [mailto:emurphy@cityofflint.com]
Sent: Thursday, February 19, 2015 9:49 AM
To: Hollins, Harvey (GOV)
Cc: Gerald Ambrose; Workman, Wayne (TREASURY)
Subject: Flint Water Cost Analysis

Mr. Hollins,

Jerry Ambrose asked me to respond to your request for more information on the Flint water cost analysis chart which you sent him yesterday. Please see the attached chart; it contains an added analysis by Jerry. The sections for which you asked for data can not be provided as we don't calculate prices in the manner you are comparing.

Jerry's chart clearly represents what Flint has been talking about - a major increase in water rates would be necessary to pay the additional charge to purchase DWSD water.

--

Liz Murphy

Assistant to the Emergency Manager

City of Flint

810 237 2025

From: Gerald Ambrose <gambrose@cityofflint.com>
Sent: Friday, February 20, 2015 1:19 PM
To: Hollins, Harvey (GOV); Elizabeth Murphy
Subject: Fwd: Flint Water Cost Analysis

Sorry, Harvey, message was meant for Liz Murphy so we can respond to your inquiry..

However, Liz is out until Monday.

jerry
---------- Forwarded message ----------
From: **Gerald Ambrose** <gambrose@cityofflint.com>
Date: Fri, Feb 20, 2015 at 1:16 PM
Subject: Re: Flint Water Cost Analysis
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>

It would be interesting to back into the numbers that Harvey wants....but I am assuming you or Al can break up the $149 into fixed and commodity.

On Fri, Feb 20, 2015 at 12:56 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:

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Best,

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From: Elizabeth Murphy [mailto:emurphy@cityofflint.com]
Sent: Thursday, February 19, 2015 9:49 AM
To: Hollins, Harvey (GOV)
Cc: Gerald Ambrose; Workman, Wayne (TREASURY)
Subject: Flint Water Cost Analysis

Mr. Hollins,

Jerry Ambrose asked me to respond to your request for more information on the Flint water cost analysis chart which you sent him yesterday. Please see the attached chart; it contains an added analysis by Jerry. The sections for which you asked for data can not be provided as we don't calculate prices in the manner you are comparing.

Jerry's chart clearly represents what Flint has been talking about - a major increase in water rates would be necessary to pay the additional charge to purchase DWSD water.

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Liz Murphy

Assistant to the Emergency Manager

City of Flint

810 237 2025

From: Gerald Ambrose <gambrose@cityofflint.com>
Sent: Friday, February 20, 2015 1:41 PM
To: Hollins, Harvey (GOV)
Cc: Elizabeth Murphy; Workman, Wayne (TREASURY)
Subject: Re: Flint Water Cost Analysis

Harvey,

Quick response, subject to verification by Liz Murphy:

Components of the average charge:

$ 57.38 fixed-cost recovery charge
$ 91.63 consumption charge
$149.01

Consumption charge based on 7 units of water @$13.09 per unit

1 unit = 748 gallons of water

There may be a way to convert a unit into an MCF, but I do not know it.

Jerry

On Fri, Feb 20, 2015 at 12:56 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:

Ms. Murphy,

Thank you. The calculations in the table was provided by treasury and I was seeking clarification. I am not a water expert, but I learned that typically, most rates have two components.

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Harvey

From: Elizabeth Murphy [mailto:emurphy@cityofflint.com]
Sent: Thursday, February 19, 2015 9:49 AM
To: Hollins, Harvey (GOV)
Cc: Gerald Ambrose; Workman, Wayne (TREASURY)
Subject: Flint Water Cost Analysis

Mr. Hollins,

Jerry Ambrose asked me to respond to your request for more information on the Flint water cost analysis chart which you sent him yesterday. Please see the attached chart; it contains an added analysis by Jerry. The sections for which you asked for data can not be provided as we don't calculate prices in the manner you are comparing.

Jerry's chart clearly represents what Flint has been talking about - a major increase in water rates would be necessary to pay the additional charge to purchase DWSD water.

--

Liz Murphy

Assistant to the Emergency Manager

City of Flint

810 237 2025

From: Liz Murphy <emurphy@cityofflint.com>
Sent: Friday, February 20, 2015 2:48 PM
To: Gerald Ambrose
Cc: Hollins, Harvey (GOV); Workman, Wayne (TREASURY)
Subject: Re: Flint Water Cost Analysis

Please verify this with Al Mooney - $147 average charge is
for water and sewer. Both have fixed and commodity charges.
Liz
Sent from my iPhone

On Feb 20, 2015, at 1:40 PM, Gerald Ambrose <gambrose@cityofflint.com> wrote:

> Harvey,
>
> Quick response, subject to verification by Liz Murphy:
>
> Components of the average charge:
>
> $ 57.38 fixed-cost recovery charge
> $ 91.63 consumption charge
> $149.01
>
> Consumption charge based on 7 units of water @$13.09 per unit
>
> 1 unit = 748 gallons of water
>
> There may be a way to convert a unit into an MCF, but I do not know it.
>
> Jerry
>
> On Fri, Feb 20, 2015 at 12:56 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:
>
> Ms. Murphy,
>
> Thank you. The calculations in the table was provided by treasury and I was seeking clarification. I am not a water expert, but I learned that typically, most rates have two components.
>
> **1. Fixed-cost recovery charge**
>
> This charge is based on the size of the water meter at the home or business. Most residential customers will have a meter between 5/8th's of an inch and 1 inch.
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> **2. Consumption Charge**

This charge is based on the amount of water used. The rate for usage is determined by the distance and elevation of the home or business from the water source.

MCF is used in many place for calculating rates; however, since Flint is currently not using this calculation, what are the cost components that make up the $149 avg. monthly charge to the resident?

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Sent: Thursday, February 19, 2015 9:49 AM
To: Hollins, Harvey (GOV)
Cc: Gerald Ambrose; Workman, Wayne (TREASURY)
Subject: Flint Water Cost Analysis

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Liz Murphy

Assistant to the Emergency Manager

City of Flint

810 237 2025

From: Liz Murphy <emurphy@cityofflint.com>
Sent: Friday, February 20, 2015 2:56 PM
To: Hollins, Harvey (GOV)
Cc: Gerald Ambrose; Workman, Wayne (TREASURY)
Subject: Re: Flint Water Cost Analysis

You are off by a factor of 10 1 unit= 1ccf= 748 gal. 1 mcf = 100 ccf. Approximately I don't have info in front of me.

Sent from my iPhone

> On Feb 20, 2015, at 2:46 PM, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov> wrote:
>
> Jerry,
> Thank you very much. I believe 1MCF equals 7480 gallons of water. If that is true then 10 units = 1 MCF.
> Best,
> Harvey
>
> On Feb 20, 2015, at 1:40 PM, Gerald Ambrose <gambrose@cityofflint.com<mailto:gambrose@cityofflint.com>> wrote:
>
> Harvey,
>
> Quick response, subject to verification by Liz Murphy:
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> Components of the average charge:
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> On Fri, Feb 20, 2015 at 12:56 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>> wrote:
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> From: Elizabeth Murphy [mailto:emurphy@cityofflint.com]
> Sent: Thursday, February 19, 2015 9:49 AM
> To: Hollins, Harvey (GOV)
> Cc: Gerald Ambrose; Workman, Wayne (TREASURY)
> Subject: Flint Water Cost Analysis
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> Mr. Hollins,
> Jerry Ambrose asked me to respond to your request for more information on the Flint water cost analysis chart which you sent him yesterday. Please see the attached chart; it contains an added analysis by Jerry. The sections for which you asked for data can not be provided as we don't calculate prices in the manner you are comparing.
>
> Jerry's chart clearly represents what Flint has been talking about - a major increase in water rates would be necessary to pay the additional charge to purchase DWSD water.
>
> --
> Liz Murphy
> Assistant to the Emergency Manager
> City of Flint
> 810 237 2025
>

From: Koryzno, Edward (Treasury)
Sent: Wednesday, February 25, 2015 4:35 PM
To: Hollins, Harvey (GOV)
Subject: Flint water advisory committee formed by mayor, emergency manager | MLive.com

http://www.mlive.com/news/flint/index.ssf/2015/02/40-member_citizen_water_commit.html

Sent from my iPad

From: Murray, David (GOV)
Sent: Thursday, March 05, 2015 1:00 PM
To: Wurfel, Brad (DEQ)
Cc: Hollins, Harvey (GOV)
Subject: Flint water

Hi Brad and Harvey,

Jarrod asked me to touch base and see if there is an update on the Flint water and filters plan.

Thanks!

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted]
Twitter:@michigandmurray

From: Wurfel, Brad (DEQ)
Sent: Thursday, March 05, 2015 1:01 PM
To: Murray, David (GOV)
Cc: Hollins, Harvey (GOV)
Subject: RE: Flint water

Got it halfway penned before the League of Condemnation Voters report card came up. I will have some information to Harvey this afternoon. Does Jarrod want to be copied?
b

From: Murray, David (GOV)
Sent: Thursday, March 05, 2015 1:00 PM
To: Wurfel, Brad (DEQ)
Cc: Hollins, Harvey (GOV)
Subject: Flint water

Hi Brad and Harvey,

Jarrod asked me to touch base and see if there is an update on the Flint water and filters plan.

Thanks!

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted]
Twitter:@michigandmurray

From: Clayton, Stacie (GOV)
Sent: Friday, March 06, 2015 2:05 PM
To: Hollins, Harvey (GOV); 'Gerald Ambrose'; 'Maxine Murray'; Thelen, Mary Beth (DEQ); Wurfel, Brad (DEQ); Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ); 'Natasha Henderson'; Shekter Smith, Liane (DEQ)
Subject: Flint Water Meeting
Attachments: SomnioGlobal_Ozone disinfection technology.pdf

Greetings All,

Attached is a brief overview of the information to be presented on Monday at the 1:00pm meeting with Steve Linder of the Sterling Corporation regarding Flint Water. The meeting will be held at the Sterling Corporation's offices on 106 W. Allegan, Ste. 2 in Lansing. I have sent the appointment and here are the list of attendees:

Harvey Hollins, Director, Governor's Office of Urban and Metropolitan Initiatives
Gerald Ambrose, Flint Emergency Manager
Natasha Henderson, Flint, City Manager
Liane Shekter Smith, Chief, Office of Drinking Water and Municipal Assistance (DEQ)
Stephen Busch, Office of Drinking Water and Municipal Assistance (DEQ)
Brad Wurfel, Director of Communications (DEQ)

Please let me know if you have any questions, thank you.

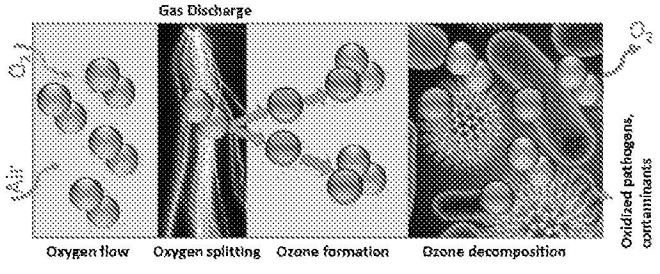
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban and Metropolitan Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

Chemical Free Water Disinfection by Ozone

Today about 98% of water treatment facilities in the U.S. use some form of chlorine to disinfect drinking water supplies. It is a cost effective method for destroying potentially harmful bacteria and viruses. However, chlorine's ability to interact with organic compounds in water leads to trihalomethanes (THMs) formation. Especially, river or lake water with high level of organic matter require heavy chlorination to combat high level of bacteria, resulting in dangerous levels of THMs and bad smell. THMs, when ingested can encourage the growth of free radicals that can destroy or damage vital cells in the body. Besides cancer, exposure to THMs has been linked to other health issues including asthma, eczema, heart disease and higher miscarriage and birth defect rates. Further, high level of chlorine also poses serious risk to the aging infrastructure.

Chemical free water disinfection technologies such as UV light and ozone have long been recognized to be much safer than chlorination, however, their high cost has prevented wider adoption. The basic mechanism of ozone generation and disinfection is shown in the picture. Ozone has a high oxidation potential (much higher than chlorine) and a superior response time compared to other sanitizing products. Its high oxidizing potential enables ozone to break down organic matters that chlorine cannot. Some pollutants can only be oxidized by ozone. For example, ***Cryptosporidium Parvum***, a drinking water pollutant, is resistant to most disinfectants, but is effectively destroyed by ozone. Most importantly, the emission from ozone is pure oxygen and it leaves no residues.



UV light is a competing non-chemical sterilization technique. Intense UV rays break down the sensitive RNA and/or DNA of microorganisms, thus preventing the organism from reproducing. Ozone, on the other hand, oxidizes the microorganisms, thus destroying their cells completely. UV sterilization being a line of sight process, to be effective, one needs to remove most of the suspended matter prior to the treatment. In contrast, ozone oxidizes the soil or particulate matter, changing or destroying the chemistry of the soiling materials such as organic compounds.

Despite the great benefits of ozone, its widespread adoption is limited due to the high total ownership cost of current commercial ozone generators. Somnio's $AiR_2O_3^{TM}$ ozone generator is a paradigm shift in ozone generation technology. The first and only commercial barrier less ozone generator eliminates the requirement of dielectric barriers and highly filtered dried oxygen (pure or enriched) supplies, which restrain current commercial ozone generators. This groundbreaking technology brings a market-competitive, robust, energy efficient, and scalable modular device that offers a financially attractive alternative with the capability of producing varying levels of ozone depending on the application at hand.

Producing ozone cost effectively is only part of the greater story of the far reaching benefits of ozone. Applying ozone effectively for a given application requires careful and intelligent design, sensing and monitoring. In addition to its revolutionary $AiR_2O_3^{TM}$ ozone generator, Somnio

collaborates with end users to provide complete and economical turnkey solutions. Somnio's current in-house test plant incorporates all necessary safety features and automation.

From: Thelen, Mary Beth (DEQ)
Sent: Tuesday, March 17, 2015 4:52 PM
To: Hollins, Harvey (GOV)
Cc: Wyant, Dan (DEQ); Wurfel, Brad (DEQ); Clayton, Stacie (GOV); Sygo, Jim (DEQ)
Subject: RE: City of Flint Information - Consultants

Not that I'm aware of but I will double check with our staff that gave us the names.

Thanks.

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700 (new numbers)
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Tuesday, March 17, 2015 4:47 PM
To: Thelen, Mary Beth (DEQ)
Cc: Wyant, Dan (DEQ); Wurfel, Brad (DEQ); Clayton, Stacie (GOV); Sygo, Jim (DEQ)
Subject: Re: City of Flint Information - Consultants

Thank you. Has anyone from DEQ talked with them? Do they know I will be calling?

Best,
Harvey

On Mar 17, 2015, at 9:54 AM, Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov> wrote:

> Good Morning Harvey,
>
> The consultants listed below are working with Flint and are in the best position to recommend a water filter system. The locals should be asked to use their consultants to recommend a technology.
>
> Warren Green with Lockwood, Andrews & Newman, Inc.
> 630-918-2494
>
> and
>
> Marvin Gnagy with Veolia North America
> 419-450-2931

Thank you.

Dan Wyant
Director

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700 (new numbers)
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Wurfel, Brad (DEQ)
Sent: Wednesday, March 18, 2015 8:10 AM
To: Hollins, Harvey (GOV)
Cc: Thelen, Mary Beth (DEQ); Wyant, Dan (DEQ); Clayton, Stacie (GOV); Sygo, Jim (DEQ)
Subject: Re: City of Flint Information - Consultants

Harvey, Steve Busch called them yesterday but the consultant said he'd already talked with you.
Regardless, sounds like it was a good conversation in that it brings the city appropriately into the mix on this idea.
Let us know what else you need. Thanks!
b

Sent from my iPhone

On Mar 17, 2015, at 4:47 PM, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov> wrote:

> Thank you. Has anyone from DEQ talked with them? Do they know I will be calling?
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> Best,
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> >
> > Thank you.
> >
> > Dan Wyant
> > Director

Mary Beth

Mary Beth Thelen
Management Assistant to Director Dan Wyant
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700 (new numbers)
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Wurfel, Brad (DEQ)
Sent: Wednesday, March 18, 2015 10:08 AM
To: Hollins, Harvey (GOV)
Cc: Thelen, Mary Beth (DEQ); Wyant, Dan (DEQ); Clayton, Stacie (GOV); Sygo, Jim (DEQ)
Subject: Re: City of Flint Information - Consultants

Harvey, Steve Busch called but it sounds like you called the contractor first. Regardless, sounds like it was a good start to getting the city involved and looped in. Let us know what more you need. Thanks.
b

Sent from my iPhone

On Mar 17, 2015, at 4:47 PM, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov> wrote:

> Thank you. Has anyone from DEQ talked with them? Do they know I will be calling?
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> > Dan Wyant
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> >
> > ---

Mary Beth

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Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700 (new numbers)
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Gerald Ambrose <gambrose@cityofflint.com>
Sent: Wednesday, March 18, 2015 4:00 PM
To: Hollins, Harvey (GOV)
Subject: draft announcement - dwrf restructuring
Attachments: March 19 announcement.docx

fyi....still being reviewed..

DRAFT

For release March 19, 2015

Emergency Manager Jerry Ambrose today authorized a restructuring of four outstanding Drinking Water Supply Revenue bonds to allow postponing current principal payments in the total amount of $2.24 million. This action will allow the $2.24 million budgeted for debt service to be used for expenses associated with maintaining safety and improving quality of the Flint water supply. Approval of the State Treasurer is required before the restructuring can occur.

Flint has recently received a final report from Veolia, its water expert advisor, making a series of recommendations to maintain and improve the Flint water supply. These recommendations, along with other input as well as items identified in the City's current capital improvements plan, will be considered as the City develops and implements its action plan to maintain and improve the Flint water supply. Discussion on the development of the action plan will begin today at the Water Advisory Committee meeting, scheduled to begin at 2:00 pm at the Flint Public Library.

The State of Michigan was instrumental in allowing the restructuring, as approvals are required by both the State Treasurer and the Director of the Michigan Department of Environmental Quality. "At all levels, the State of Michigan has been most cooperative in assisting the City of Flint as it addresses the many issues confronting the Flint water system", said Emergency Manager Jerry Ambrose." Access to $2.4 million at this time will be very helpful in implementing our action plan."

The proposed restructuring will free up funds to enable the City to more quickly move forward on recommended improvements to its water treatment and distribution system. Several recommendations for improvement are currently unbudgeted, and the $2.4 million will help assure that the most important can be implemented. Recommendations to be considered include the addition of a Granulated Activated Carbon Filter, estimated at as much as $1.5 million; acceleration of the repair and replacement of values, estimated at an additional $120,000 annually; replacement of additional pipeline replacement, estimated at $1 million per mile; and acceleration of the project to automate plant operations, estimated at $450,000. $1.315 million will become available in the City's current fiscal year, and the remaining $925,000 will be available in the next fiscal year.

The bonds are currently financed at a rate of 2.5%, and postponement of the principal payment will incur some additional interest expense over the life of the issue. Interest costs will increase by approximately 2% ($228,000) over the 20 year life of the issues.

From: Widigan, Robert (TREASURY)
Sent: Friday, March 20, 2015 11:48 AM
To: Hollins, Harvey (GOV)
Subject: FW: Flint Water Advisory Committee Meeting 03-19-15
Attachments: Veolia-Flint-Water-Quality-Report-03.12.2015.pdf; Flint-WTP-Improvements.pdf

Good morning, Harvey:

It was good seeing you yesterday.

Below is a summary of yesterday's meeting, with attachments that I sent out this morning. There was a great deal of information discussed at the beginning of the meeting before you arrived. I wanted to pass it along to you.

If you have any questions, comments, or concerns please let me know.

Thank you,

Robert Widigan|Office of Fiscal Responsibility
State of Michigan|Department of Treasury
430 W. Allegan Street|Lansing, MI 48922
Office (517) 335-2130|[redacted]
WidiganR@michigan.gov

From: Widigan, Robert (TREASURY)
Sent: Friday, March 20, 2015 11:32 AM
To: Byrne, Randall (Treasury)
Cc: Workman, Wayne (TREASURY) (WorkmanW@michigan.gov); Koryzno, Edward (Treasury); Cline, Richard (Treasury)
Subject: Flint Water Advisory Committee Meeting 03-19-15

Randy,

Yesterday's meeting was very informational; however, discussion was cut short by understandably upset water customers. The main points of information relayed during yesterday's meeting are as follows:

1. The City provided a table of water improvements* currently that the City is in the process of implementing or currently evaluating.
    - The City has built a hydraulic model to assist the City in identifying the locations of bad valves.
    - The City restructured four outstanding Drinking Water Revolving bonds allowing the City to afford an additional $2.24M towards Capital Improvements in Water. With $2.24M the City will:
        i. Installing a $1.5M Granulated Activated Carbon Filter (GAC). This will provide the best reduction possible and provide better than 90% removal of total organic carbon (TOC), dramatically reducing the potential for total trihalomethane (TTHM) formation. This entire project needs to be done by early June to assure a flow of water throughout the system. Several months are required for the engineering design, State approval, bidding of work, and installation of the GAC. According to the Veolia report, this process needs to begin now.
        ii. Accelerate repair and replacement of values, estimated at an additional $120K annually.

iii. Implement a process control management plan (PCMP) to increase efficiency and professionalism by allowing operators on the day shift to communicate with the night shift, ensure operators follow the same treatment plan for the water, ensure adjustments are unified between all operators, and inform staff as to what the process is when water quality set points begin to drift away from its desired quality levels. This will help the City transition to lake water. Estimated at $25K annually.

iv. Automate plant operations to allow the City to monitor activities throughout the entire plant, estimated at $450K.

2. Department of Public Works director Howard Croft provided a breakdown of FY 2015 Water and Sewer budgeted expenditures*, and explained 96% of the $70M is needed if the City uses DWSD or river water as its source.

3. Also provided was a document* with answers to all 61 questions asked at the last Water Advisory Committee.

Suggestions for the City:

1. The facilitators seemed to have inexperience in mediating or controlling the flow of the meeting. This lead to upset outbursts from the public, which stopped any information from being communicated to the public. The City may wish to hire professional mediators with experience in facilitating large public meetings.

2. The agenda did not include time for public comment. This gives the perception that the meeting is "closed off" to the opinions of the residents.

3. It was mentioned by the Mayor, that he City charges an initial cost of $425 to new renters. This fee appears to higher than anticipated, and more information should be provided regarding fees and fee structures.

If additional information is desired, please let me know.

*Sources: City of Flint, Water Advisory Committee meeting handouts (once received form the City they will be provided to anyone interested) and Veolia's Water Quality Report, dated: March 12, 2015.

Regards,

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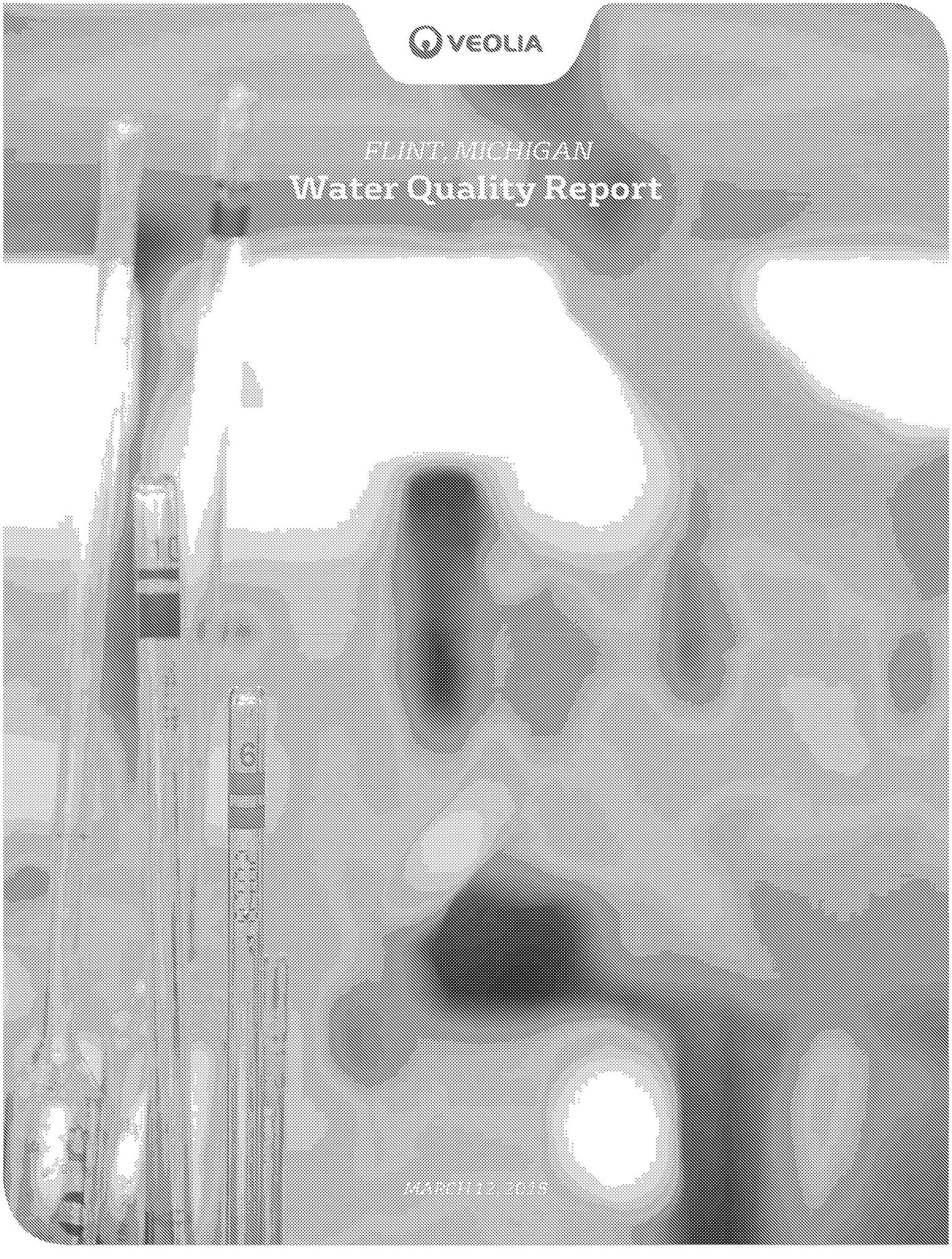
VEOLIA

FLINT, MICHIGAN

Water Quality Report



MARCH 31, 2023

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Water Quality Report
March 12, 2015

FROM
Veolia North America

TO
Emergency Manager Gerald Ambrose

Executive Summary

The City of Flint changed water sources, transitioning from Detroit's system to the Flint River. This change created water treatment challenges that have resulted in water quality violations. Aging cast-iron pipe has compounded the situation, leading to aesthetic issues including taste, odor and discoloration. Public interest and scrutiny of the drinking water system intensified following the distribution of required public notices of violation.

The City of Flint has made a number of good decisions regarding treatment changes that have improved water quality. However, this is a very complex water quality issue and the City is seeking additional advice on what to do to ensure healthful drinking water for the community.

Veolia appreciates the City's decision to seek independent third parties to review current treatment processes, maintenance procedures and actions taken to date, and provide ideas for improvement. We are pleased to present this final report to the City of Flint following our experts' 160-hour assessment of the water treatment plant, distribution system, customer service and communications programs, and capital plans and annual budget.

This report provides recommendations and a roadmap for improvement, though our engagement was limited in scope. Our assessment included reviewing actions taken by the City to date, validating the City's plans going forward, and making recommendations for ideas not being considered.

Although a review of water quality records for the time period under our study indicates compliance with State and Federal water quality regulations, Veolia, as an operator and manager of comparable utilities, recommends a variety of actions to address improvements in water quality and related aesthetics including: operational changes and improvements; changes in water treatment processes, procedures and chemical dosing; adjustments in how current technologies are being used; increased maintenance and capital program activities; increased training; and, an enhanced customer communications program.

We are also providing a recommended schedule and estimated costs for implementing changes. It is our desire to help Flint residents and public officials better understand the current situation so that informed decisions can be made to ensure safe drinking water for the city's customers.

Review of Actions Taken to Date

To address water quality issues, the city has made operational changes, sought help from the State, hired engineering firm Lockwood, Andrews & Newnam, Inc. (LAN) to provide additional advice, and hired Veolia for an assessment from a utility operator's perspective. The City has also reached out to different specialty vendors (chemical suppliers, filter companies and tank aeration companies) for information about products to help with the TTHM issues. These are logical steps to take.

Flint is not alone in dealing with TTHM problems, as many utilities across the country are facing this challenge. The City appears to be following standard steps that many of those communities are taking to successfully correct the problem.

Although the primary focus of this review was based on solving the TTHM problem, the public has also expressed its frustration over discolored and hard water. Those aesthetic issues have understandably increased the level of concern about the safety of the water.

The review of the water quality records during the time of Veolia's study shows the water to be in compliance with State and Federal regulations, and, based on those standards, the water is considered to meet drinking water requirements.

The City has been proactive in its efforts to reach out to the medical community, to set up a phone number and email address to receive complaints, to post State Water Quality reports, to provide the list of EPA required water tests, and offer to test the water at customers' homes.

From our review, these numerous efforts demonstrate how the city is trying to be transparent and responsive beyond what many other communities might do in similar circumstances.

State Report

The Michigan Department of Environmental Quality (MDEQ) has requested specific actions be taken related to the total trihalomethane (TTHM) issues. The February 2015 report from LAN (*Operational Evaluation Report TTHM Formation Concern*) indicated apparent reasons for the elevated levels of TTHM in the distribution system. These generally relate to high Total Organic Carbon (TOC) in the water source, improperly operating equipment both in the plant and the distribution system, less-than-optimal plant TOC removal and old cast-iron pipe in the distribution system. **Our assessment confirms that these reasons are likely given our on-site laboratory testing and analysis, as well as our first-hand observations.**

Due to time constraints, LAN's report to the State was submitted prior to Veolia's final analysis and recommendations, and contained a number of key initial and contingent steps the City should consider, including:

Initial Actions

- Hire a Third Party Water Quality Expert to Complete Independent Audit
- Obtain a THM Analyzer
- Carry Out Jar Testing
- Water Plant Optimization Softening
- Water Plant Optimization Disinfection of Filter Beds (Pre-Chlorination)
- Water Plant Optimization Polymer Aid to Coagulation and Flocculation
- Increase Water Main Flushing
- Water Modeling Cedar Street Pump Recirculation
- Water Modeling West Side Pump Recirculation
- Broken Valve Locations
- Increase Flushing

Contingent Actions

- Fix Ozone System
- Start Feeding Coagulant and Flocculation Polymer
- Convert to Lime and Soda Ash Softening
- Change Disinfection to Chloramine or Chlorine Dioxide Temporarily
- Install Pre-Oxidant at Intake
- Replace Filter Media Implement Advanced Treatment
- Increase Main Flushing
- Continue Valve Replacement
- Emphasize Cast Iron Pipe Replacement

Veolia's Recommendations

While many of Veolia's recommendations match the initial assessment provided by LAN, our approach, as an operator and manager of comparable utilities, considers a more comprehensive solution. These improvements include operational changes, differences in water treatment regimes and chemical dosing, increased maintenance, and increased training.

- **Addition of Permanganate** – The addition of a permanganate chemical will help reduce ozone demand as well as chlorine demand. The reduction of ozone is needed to help eliminate the possibility of violating the bromate limit. The addition of the chemical will require state approval, submission of design documents for approval, procurement of the equipment and installation. The State has indicated they will work with the City on expediting review and approval of any requested changes. The required dosage of permanganate is estimated to range from 0.5 mg/L to 1.2 mg/L with a corresponding price of $160,000 to $320,000 per year. (Please note – The water in the river is dynamic which means it will change with weather, seasons and other factors. The estimates provided are based on bench testing at a given time and as such require the operators to test water and to verify chemical dosages on a frequent basis.)
- **Reduction of Ozone Feed** – Treating water is a delicate balance - increasing ozone to fix the TTHM problem can raise bromate levels to a point of violation. The introduction of permanganate is being recommended to reduce the demand for ozone so that feed rates will not exceed 5 mg/L. The current ozone dosing has been as high as 8 mg/L and, as such, if allowed to continue, will increase the risk of violating the bromate levels.
- **Increase of Ferric Chloride** – Four coagulants were tested by Veolia -ferric chloride, ferric sulfate, polyaluminum chloride (PACl) and aluminum chlorohydrate (ACH). Ferric chloride and ACH were found to be the best choice of product for effectiveness in removing TOC, a precursor to TTHM formation. Current ferric chloride dosages are too low and dosages of 100 mg/L or more are recommended. Again, please note, that the amount of chemical needed changes with the nature of the river and as such, water must be tested multiple times a day with corresponding changes in chemical dosages. This increase to 100 mg/L is twice what is currently being fed and much higher than what had previously been fed last year. The increase in chemical costs could be up to $1,000,000 per year. This change in dosage (using ferric chloride) can be made immediately without state permit review.
- **Reduction of Lime** – Lime is currently being overfed. A higher dosage of lime does not necessarily mean better treatment. A review of different dosages with jar testing indicates that the current dosage of 280 mg/L can be reduced to 230 mg/L. This represents a potential range of savings of up to $270,000 per year. This change can be made immediately. It should be noted that the current softening equipment is in poor condition, which does complicate the treatment process with a poor balance of flow between the two basins, weirs that are not level causing bypassing with the softener basins, and simply old mechanical equipment that periodically breaks down. This equipment is not going to be needed when a change to lake water occurs. Addition of soda ash to help further reduce hardness in cold weather might require dosages up to 40 mg/L with an annual chemical cost up to $320,000. There have also been some questions or complaints from the public regarding hard water. The water entering the plant is currently 360 mg/L and the plant is reducing that level of hardness to about 210 mg/L. Optimization of the dosage can reduce the hardness

further to about 180 mg/L. This reduction however has been sporadic as equipment breakdowns and high flows have caused problems keeping the softening process on-line. As we have noted before, the dosage needs to be adjusted daily or more often based on process control monitoring. The raw water hardness in the summer is much less than in the winter. For illustration purposes, the difference could be 360 mg/L in raw water in winter compared with 220 mg/Lin the summer.

- **Eliminate Pre-Chlorination on the Filters** – The reduction of pre-chlorination on the filters during the summer months can help reduce TTHM formation. This action has to be considered carefully with procedures documented and reviewed for engineering principles. As such, it will take time for the design engineer to determine what could be done to assure the proper chlorine contact time and document that other safety protocols in water are met. This requires state approval. Any submission should be considered along with a possible change in filter media. If Granulated Activated Carbon (GAC) is installed then the pre-chlorination would be stopped or drastically reduced because of the chlorine impact on the GAC filter media. Veolia's initial investigation into changes in chlorine feed point indicate that the recommended action can be accomplished while maintaining the required regulatory contact time for disinfection.
- **Change Filters to Granulated Activated Carbon (GAC)** – The object of the other changes being made is to reduce the TOC before chlorine is added into the process. The plant by design is limited on the amount of TOC removal possible. A maximum removal of only 60% is likely if the plant is properly optimized. The change of filter media to GAC would provide the best reduction possible and provide better than 90% removal dramatically reducing the potential for TTHM formation and thus ensuring compliance with that parameter for the water system. The change in filter media; however, is complicated requiring approval by the state, design of the changes, procurement of the media and a contractor to install it. That will take time and is likely in a range of $1.5 million (more or less) in cost. The use of GAC also requires more testing and monitoring of the media and the TOC than with the current media. GAC will accumulate TOC and begin to become in effective after a period of time. Depending upon the level of TOC reaching the filters this could be as short as 3 months and as long as 9 months. The amount of TOC is dependent upon the river water quality and operation of the other plant processes. Once the ability of the filters to remove TOC is diminished, the GAC media has to be replaced if river water continues as a source. The change to lake water will not require TOC removal and the media could continue to be used as filter media for that new water source.
- **Corrosion Control** – The primary focus of this study was to assure compliance with the TTHM limits. That is not the only problem facing the city and its customers though. Many people are frustrated and naturally concerned by the discoloration of the water with what primarily appears to be iron from the old unlined cast iron pipes. The water system could add a polyphosphate to the water as a way to minimize the amount of discolored water. Polyphosphate addition will not make discolored water issues go away. The system has been experiencing a tremendous number of water line breaks the last two winters. Just last week there were more than 14 in one day. Any break, work on broken valves or hydrant flushing will change the flow of water and potentially cause temporary discoloration.
- **Eliminate a Storage Tank** - The water system has more storage than it requires, due to excess capacity in the water lines in combination with the storage tanks. The City has already employed LAN to update the hydraulic model. The hydraulic model should be used to help determine if water levels can be lowered further and even to remove some storage tanks from service. That decision may need to be made

seasonally. For example demand during water main breaks last week required extensive amounts of water. The excess storage is more a problem with TTHM formation for the system in summer than winter.

- **Prioritize Valve Replacement** - The hydraulic model shows long water age in portions of the system that appear to be contributing to the TTHM problems. LAN has updated the model to include the location of broken valves and that added information is being used to identify other system problems. The City has a contract for valve turning and repair work that should be focused on known broken valves, particularly in sections of the distribution system with old water age. This activity however must wait until warmer weather in fear of causing problems in the water system with lines freezing.
- **Target and Increase Flushing** – Flushing the fire hydrants can be useful in cleaning out lines to minimize discolored water complaints and also helping reduce the age of water. This DOES NOT mean just opening hydrants. The hydraulic model needs to be used to determine which hydrants should be opened and for how long to ensure the lines are properly cleaned. For example, this might require 15 minutes or even several hours of flushing depending on location. The flushing of hydrants also needs to include records of hydrant condition, color of water initially and after periodic increments plus chlorine residual testing. All of that information will help provide information to the engineers on the effectiveness of the procedure. Each crew doing the work should be trained to help explain the process to the public and also warn neighborhoods about flushing so that staining of laundry can be avoided.
- **Change to Lake Water** – The changes being made now to the water plant will not be the same changes required to treat lake water once it becomes available. A thorough analysis and plan needs to be made in preparation of that switch. This is going to need to include changes in how the plant is operated, like eliminating lime softening and reducing the dosages of many chemicals. Consideration will also have to be given to algae treatment when lake water is being used.
- **Operating Programs** – All of the changes discussed above are based on testing and techniques proposed by engineers and skilled operators of both LAN and Veolia. The staff will need further training and implementation of detailed protocols to successfully implement the changes and to ensure long-term success at the plant. This means the City needs to implement a series of programs to ensure success in these changes.
    - **Process Control Management Plan** (PCMP) – The amount of testing and resulting changes in chemical dosages, along with monitoring the impact on the water, will require a well-documented process that all operators follow. An example of this is jar testing, which is used by the operators to identify the most effective chemicals and dosages to optimize treatment. The staff understands the basic treatment process but needs further practice and training to become proficient in the use of routine process control to adjust for water quality. This is commonly referred to as a PCMP and is used as a standard operating procedure so that the operators on the day shift can communicate with the night shift, that operators are following the same treatment plan for water, that the adjustments are unified between different shifts and different people, that a desired water treatment quality is defined and variations from it signal alarms and that the staff knows what to do when the water quality setpoints begin to drift away from its desired quality levels.
    - **Lab QA/QC** – The operation of the water plant is dependent upon accurate lab results. Standard operating procedure needs to be set and lab technicians trained in that process. EPA and the State

set procedures and standards to be met and the staff should strive to meet those standards. The City has already purchased a TTHM analyzer but should also consider a TOC analyzer that can be an online continuous device to provide immediate information on influent and effluent levels of TOC. Part of the lab records should be historical review of data to help operators better understand the changes they make in the plant.

- **Maintenance Management** – The key to water equipment is having all the equipment effectively maintained and functioning properly. The current capital program is fixing many broken pieces of equipment and updating the plant to current standards. This however must be followed with a rigorous maintenance program that ensures the proper preventive maintenance, is able to predict when maintenance is needed to keep equipment functioning properly and responsive to changes in flows and source water quality.
- **Training** – The changes being suggested are new to the staff and as such training needs to be provided in what the changes involve, why they are being made, the impact on the water quality, and how best to run the plant. A good demonstration of skill level is for the staff to become certified by the State as a licensed water plant operator. Many utilities now require all operators to hold at least the minimum certification level as a starting point and offer incentives to increase their certification level.

- **Communication Program** – The city should lay out an immediate, written strategy for communicating with the public in the short-term, as well as a 6-to-12 month strategy that contemplates known, future events like the KWA pipeline and switch to lake water. A wide range of activities are underway to work with the public but a comprehensive and coordinated effort, with a strategic focus, will help the utility and its customers.
  - **Dedicated Communications Personnel** – The City has a single, dedicated public information officer, tasked with providing service to all of city government. The current focus on communications support for Public Works, and the anticipated needs over the next several years, indicate the city would benefit from the hiring of a staff person in Public Works who could establish a communications program designed to provide clear and concise information to a broad audience though a number of different channels. In the interim, the city could hire a communications intern, local communications firm, or somebody with experience who is able to provide reduced or no-cost services for the immediate future.
  - **Communications Planning – Public Notification** – The City should be congratulated on its efforts to keep the public informed. It is posting its monthly reports on the web page to provide transparency, though these reports are highly technical – and may be too technical for the customer base at large. They are valuable to those customers who do want this level of detail. The city should create a single-page dashboard of information that outlines the water utility's performance for the previous month, post the dashboard on the website, print copies for distribution at customer service or other reception areas, and be provided during speaking engagements or other events. This dashboard should be easy to understand, and include:
    - The number of water quality tests conducted the previous month
    - The number of violations reported

- Whether these results are in or out of compliance
- Information about other proactive measures such as main and hydrant replacements, or other programs to improve performance of the water utility
- Benchmarking information so the reader has a greater understanding of how Flint compares with other similar utilities in the region and across the country

- **Public Meetings** –There should be additional, proactive coordination with neighborhood, community and civic groups to provide speakers on timely topics. Given the list of numerous responsibilities, the Public Works director cannot do it alone – the city should identify three or four other staff members, knowledgeable about the water utility who can also speak to various groups, provide information and answer questions. The development of an outreach strategy to target key neighborhood, community and civic groups also will advance the communications effort and the dissemination of information in both the short and long term.
- **Standard tools** – Work crews in the field are often the faces of the utility – the city should create standardized tools for communicating with the public that can be easily and quickly delivered to the community in the event of main breaks, flushing or pre-planned capital improvements. Tools should include:
  - Door hangers for individual distribution
  - Yard signs with simple messaging to be placed near work-sites
  - A simple tri-fold brochure with useful information about the utility and appropriate contact information
  - Specific flyers about a range of topics
  - Infographics about how the water system works, from the intake to the customer's site
- **Change in Billing Format** – The City currently has no real way to reach all customers on a regular basis and provide information. The city should consider changing from a billing postcard to using an envelope and bill stuffer. Monthly or bi-monthly bill inserts are typically used to provide educational material for customers and are standard ways to provide information. Understandably, budget considerations must be taken into account.
- **Use Public Affairs Programming and Opportunities** – The news media has been covering this topic quite extensively – there are other media-related opportunities that may reach a wider audience. Taking advantage of these opportunities will help the city relay information to its customers and the community.
  - Participate in regular editorial-board meetings to provide background information and updates on key milestones or events.
  - Identify a local weekly television program and offer to provide guests to speak about key milestones or upcoming events.

Conclusions and Next Steps

The focus of this report is to help assure TTHM compliance and then improve general water quality. The City had good results in its most recent TTHM tests, although that is to be expected with the changes made to date and the cooler weather which contributes to low TTHM formation. Warm weather will be a different situation both in the nature of the Flint River water quality and in the formation of TTHM. With those changes coming, the City needs to act quickly to make improvements before additional testing takes place this spring and summer. The summary below provides the recommended actions, a priority for their implementation and projected costs either operational or capital. The costs are rough orders of magnitude and will vary with changes in water quality, operational decisions, and engineering choices being made and in some cases require State approval. Although a priority is assigned many of these actions can take place simultaneously.

Priority	Action	Annual Operational Cost	One Time Capital Cost
1	Implement operating programs for process control, lab QA/QC, maintenance, and training. These programs are needed regardless of the TTHM issue and will help with transition to lake water. The City has decided upon a central maintenance software and the water system should be the first to utilize this program since costs are already budgeted. These programs should be initiated immediately.	$ 25,000	$ 250,000 - $ 350,000
2	Contract with your engineer and initiate discussions with the State on the reduction of chlorine prior to the filters and changing the filter media to GAC. This activity has the longest time frame for design and approval, but also is extremely critical to assuring reduced TTHM production. The current filter cleaning and maintenance project needs to be adjusted to take into consideration the change in filter media both to dispose of the anthracite instead of cleaning and to install the GAC. This entire project needs to be done by early July to assure a flow of water throughout the system. Several months are required for the engineering design, State approval, bidding of work and installation of GAC and as such needs to begin now.	$ 0	$1,500,000
	Contract with your engineer and initiate discussions with the State on the addition of 0.5 to 1.2 mg/L of either potassium permanganate (dry) or sodium permanganate (liquid). This will take time to get approved and to implement. The use of liquid tanks at the raw water pump station may be the quickest and least expensive alternative for a temporary measure.	$ 160,000 - $ 320,000	$ 50,000

	Contract with your engineer and initiate discussions with the State on the addition of a corrosion control chemical. This action can be submitted and discussed with the state at the same time as the other chemical and filter changes saving time and effort. A target dosage of 0.5 mg/L phosphate is suggested for improved corrosion control.	$ 50,000	$ 50,000
3	Increase the ferric chloride dosage to 100 mg/L depending on river water TOC levels. (Lower TOC levels can be treated with less ferric chloride.) This change can be made now and is allowed by the State.	$ 1,000,000	$ 0
	Reduce the ozone feed rate to 5 mg/. This change can be done now and does not require State approval.	($50,000 – $100,000	$ 0
	Reduce the lime dosage to minimize hardness levels after softening. This will eliminate magnesium removal during treatment, but will also reduce total hardness. A reduction in carbon dioxide dosing for recarbonation treatment also is expected due to the reduction in lime feed. This change can be made now and does not require State approval.	($270,000)	$ 0
4	Confirm with the engineer when the revised hydraulic model will be completed and if necessary for time to focus on areas of longest water age if that would speed up the effort. Identify impact of reducing tank levels or eliminating a tank seasonally to improve water age. Include with this effort a list of hydrants to flush along with time required to assure drawing fresh water through the system. The engineer has been assigned this task already and confirmation of the timing of a delivery is needed.	$ 0	Already Contracted
	Ask the engineer to identify closed valves on a map that are impacting water age and that can be bid for replacement as soon as weather permits. Have the engineer identify areas of the system where the valve contractor should be focused on finding and fixing closed valves.	$ 0	Already Budgeted
5	Implement the recommendations in the communications program including a person assigned to public works education, using envelopes instead of cards along with bill stuffers for education and provide training for staff. Envelopes and bill stuffers are expensive and might be done periodically and not every month. The cost of TTHM notices, Annual Water Quality Reports and City notices should be figured into if any additional costs would exist. Many of these changes are underway now by the City.	Position Being Budgeted	

Notes

- The costs provided are rough order of magnitude which final engineering will firm up but will fluctuate with final decisions on engineering, operating technique and water quality.
- The change from river to lake water will dramatically cut the chemical costs as less is needed once the change occurs. This means that potassium permanganate will likely not be needed, ferric will drop as much as it went up, ozone levels will be lower and little lime will be needed.

Results Expected

The real question is what changes can be expected from these results in lowering the TTHM, improving the aesthetics and preparing for the change to lake water.

- **TTHM** – The City has already made great strides in reducing the TTHM levels with the changes already made. The additional suggestions by Veolia will further reduce TTHM in the water and help get the city released from the notices being provided to customers.
- **Hardness** – The hardness entering the plant this winter is 360 mg/L with the current system reducing it to 210 mg/L and optimization will reduce to about 180 mg/L. During the summer the levels will be lower probably in the 140 mg/L to 150 mg/L range. The target set by the current best operating practices is 120 mg/L to 150 mg/L.
- **Discolored Water** – The discolored water is caused by the old unlined cast iron pipe. The water from the plant can have an impact on discolored water, but a greater concern is the breaks and construction work that disrupt the flow of water causing discoloration. A polyphosphate is suggested to help bind the old cast iron pipe reducing instances of discolored water. This along with improve flow of water and programmed hydrant flushing will help, BUT WILL NOT eliminate discolored water occurrences.
- **Change to Lake Water –** The recommendations include the suggestion of programs to help the staff better manage the treatment process, additional testing to adjust the plant and additional lab monitoring, a maintenance program focused on keeping equipment properly functioning and more training for staff to improve their skill level. Those actions will prepare the staff for the change of water sources when it comes next year in addition to developing a thorough plan for the switch.

Resourcing the world

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City of Flint
Water Improvements

DATE	IMPROVEMENT	EFFECT	COST
Nov.	Increased flushing efforts (as weather permits)	Reduced time of water in the system	N/A
Nov.	Adjusted operational softening to no less than 80%	Reduce chlorine demand	N/A
Dec.	Started hydraulic modeling of distribution system	Helps to identify locations of bad valves	$80,000
Dec.	Started evaluation of different polymers	Removal of organic carbon	N/A
Dec.	Started SCADA upgrades inside of Water Plant	Improvement of internal software controls	$424,000 Budgeted
Jan.	Hired vendor to upgrade efficiency of the ozone system	Better oxidation and disinfecting	$7,200
Jan.	Started jar testing	Assists in dosage amounts and polymer aids	N/A
Feb.	Hired consultant Veolia for process review	Professional recommendations	$40,000
Feb.	Leasing a TTHM analyzer	Increased internal testing ability	$8,000
Feb.	Adjustments to reservoir level to match demand	Reduce time of water in system	N/A
Mar.	Implement process controls	Professionalism / efficiency	~$300,000
Mar.	Utilize Granulated Activated Carbon Filtering	Large reduction in TOC	$1,500,000
Mar.	Increase ferric chloride / reduce ozone feed rate / reduce lime dosage	Reduction in hardness	~$600,000
Mar.	Build hydraulic model	Assists in identifying locations of bad valves	Budgeted
Mar.	Communication program	Community awareness	~$80,000

From: Gerald Ambrose <gambrose@cityofflint.com>
Sent: Tuesday, March 24, 2015 1:12 PM
To: Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY); Byrne, Randall (Treasury); Koryzno, Edward (Treasury)
Subject: Corrected memo - fixed charge memo
Attachments: Fixed charge calculation1.docx

Sorry, some parts should have said "per month", not "per day."

RESIDENTIAL WATER/SEWER RATES - FIXED AND COMMODITY CHARGES

General statistics indicate that the average person uses between 80 and 100 gallons of water per day, or between 2,400 and 3,000 gallons per month. The City's general estimate for the average residential bill is based on consumption of approximately 5,200 gallons per month (7 units * 745 gallons. So the average we use is not out of line if the average number of users in a residence is around 2.

At $149 average costs per month, Flint's charges are very high in comparison to other systems, and an issue which must be addressed. Unfortunately, the Flint system, which has the capacity to serve a population of more than 200,000, now serves a population of approximately 100,000. The system, as currently configured today, needs between $65 million and $70 million in revenues annually to operate. One cannot simply reduce rates without affecting the ability of the system to operate.

Like many systems, Flint charges both a fixed charge and a commodity charge to generate revenues. The concept of the fixed charge is that there is a certain amount of the utility system which must operate regardless of how much of the commodity is used. Operation and maintenance of the system, including building, treatment, and distribution infrastructure, as well as debt service, are examples.

On the other hand, chemicals, utilities, and staffing to a certain extent vary with the amount of the commodity and can thus be linked to usage.

In Flint, the total fixed charge for the water and sewer bill accounts for approximately 40% of the average residential users bill. The amounts determined to be "fixed charges" were established many years ago, and the water rate study done for the City in 2014 made no recommendations for change.

The Flint system, which more than 10 years ago was very stable financially, had declined into a deficit financial position by June 30, 2012. Significant rate increases, many of which were enacted before the State assigned an Emergency Manager in late 2011, were necessary to stabilize the financial position of the system. Other decisions, including the decision to partner with Genesee County in the KWA, and the decision to utilize the Flint River for an interim period, were made with the goal of stabilizing rates and moderating future increases. Safety, quality, and affordability are the key priorities going forward.

Following is the detail of the water and sewer rate components.

WATER/SEWER RATES

Average Residential User

WATER COMMODITY CHARGE PER UNIT	Water Service Charge* 5/8" remote	SEWER COMMODITY CHARGE PER UNIT	Sewer Service Charge	Units for Ave. Bill	WATER COMMODITY	Service Charge* 5/8" remote	SEWER COMMODITY	Sewer Service Charge	Total
$ 7.92	$ 22.90	$ 5.17	$ 34.48	7.00	$55.44	$22.90	$36.19	$34.48	**$149.01**

AVERAGE	Water Charges			Sewer Charges			Water and Sewer		
RESIDENTIAL									
UTILITY	29%	$22.90	Fixed Charge	$34.48	49%		$57.38	39%	Fixed Charge
CHARGE	71%	$55.44	Commodity	$36.19	51%		$91.63	61%	Commodity
	100%	$78.34		$70.67	100%		$149.01	100%	

RECENT RATE INCREASES

Overall cost to residential users for water and sewer have increased significantly since 2003 – almost three-fold. Note, however, that much of the recent increases were made prior to the appointment of an EM…

Increases Enacted by EM		Increases Enacted Prior to EM		
EM		PRE-EM		
Aug 2014	July 2012	July 2011	Jan 2011	Oct 2003
$78.34	$74.42	$66.12	$48.99	$29.60
$70.67	$65.60	$45.24	$33.50	$27.47
$149.01	$140.02	$111.36	$82.49	$57.07
$8.99	$28.66	$28.87	$25.42	
6%	26%	35%	45%	

Change in the Financial Position of the Water and Sewer System

The financial position of the water and sewer system in 2003 was strong. However, by 2011 the financial position had declined to the point where the system was in deficit. In spite of increases made prior to the appointment of an Emergency Manager, the utility system was still in a deficit position in 2012. While the financial position of the system is now positive, it is still less strong than in 2003:

Water and Sewer (Assets in Millions)

	2003	2011	2012	2013	2014
	Status Pre EM			Status under EM	
Capital Assets	$82,288	$65,877	$84,182	$78,066,635	$76,670
Restricted	$0	$0	$5,585	$4,385	$5,847
Unrestricted	$53,076	($423)	($8,459)	$8,817	$13,552

From: Gerald Ambrose <gambrose@cityofflint.com>
Sent: Thursday, March 26, 2015 3:01 PM
To: Workman, Wayne (TREASURY); Hollins, Harvey (GOV); Byrne, Randall (Treasury); Koryzno, Edward (Treasury); Widigan, Robert (TREASURY); Cline, Richard (Treasury)
Subject: Notice to Flint water customers
Attachments: Flint Letter Color Header to Water Customers Final (1).pdf; MDEQ Required notice.pdf

FYI..

Here is an advance copy of the communications to be mailed to Flint customers at the end of this week. April 1 is the deadline.

Will not hit mailboxes until Friday at the earliest. We will have a media event on Friday announcing the communication.

J

Water Quality Update

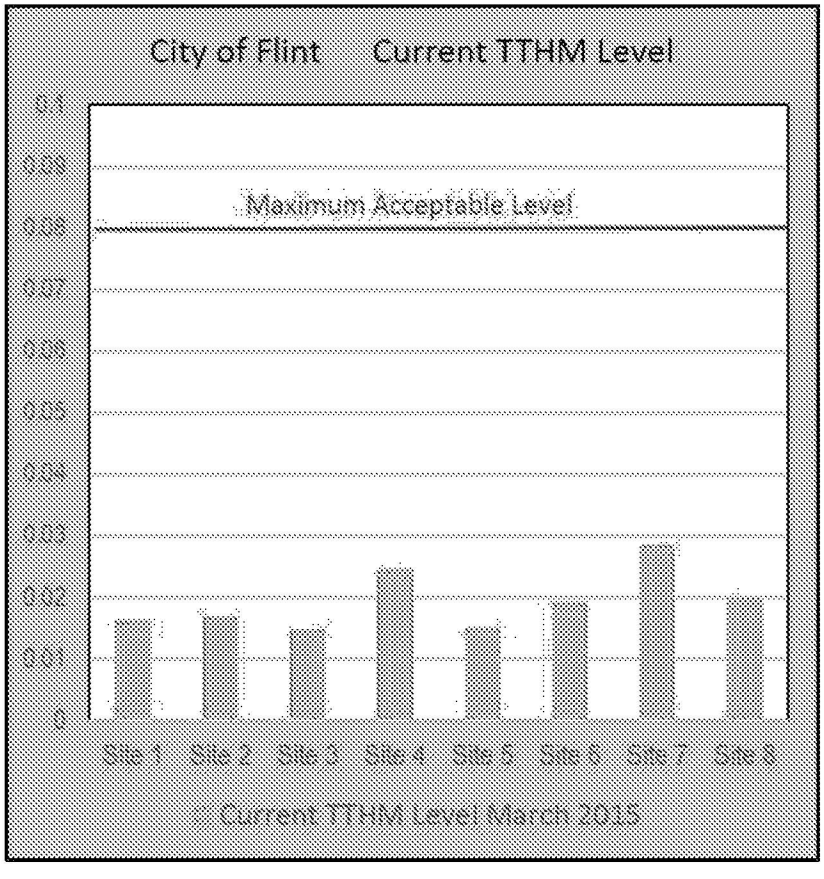
City of Flint Resident:

We are pleased to report that City of Flint water is safe and meets U.S. Environmental Protection Agency guidelines. While we continue to work on improving aesthetic qualities, such as discoloration or odor, you can be confident that the water provided to you today meets all safety standards. Maintaining safety and quality in our water is a top priority of the City.

We accomplished this by:

- Upgrading the ozone treatment process at the Water Treatment Plant
- Increasing water main/hydrant flushing to reduce stagnation
- Conducting additional testing of treatment to identify areas of improvement
- Improving water circulation by repairing valves and adjusting reservoir levels

Our most recent testing in February showed that every testing site was well below allowable levels, as shown below:

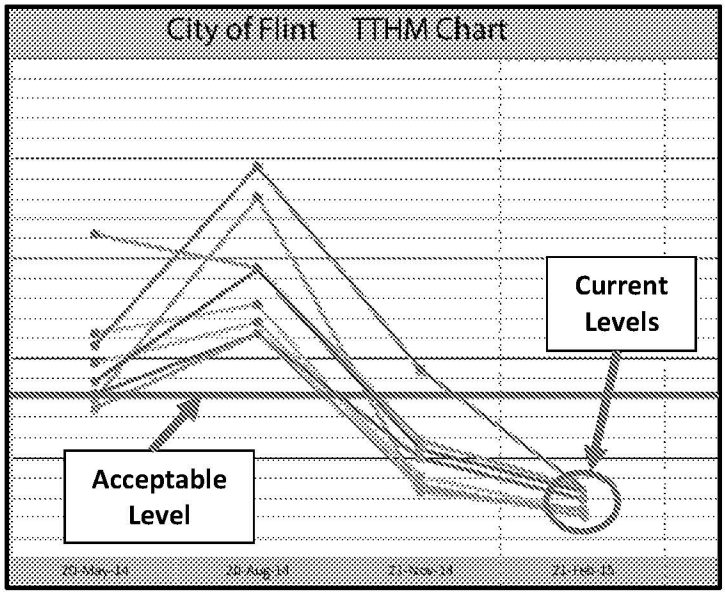


Water Quality Update

The Michigan Department of Environmental Quality (MDEQ) has acknowledged our progress:

"We are encouraged by the results from the most recent round of compliance samples collected on February 17, 2015, which now show individual TTHM levels at less than half of the 0.080 mg/L standard at all locations throughout the City's system. Operational Evaluation Reports from December 2014, and February 2015, have identified possible causes and corrective measures for the previous elevated TTHM levels, which we encourage the City to continue implementing." -MDEQ

Notification is based on four quarters of test results. Because of last year's test results, the City's *annual* quarterly testing average is not yet below the state's allowable average and the City is required to issue the attached notice ***("Important Information about Your Drinking Water")***.



If you have any questions about this report or would like a test done at your home, free of charge, please call us at 810-787-6537.

Maintaining safe water and improving its quality is a top priority for all of us at the City of Flint, and we apologize for the concerns these notices have raised. We have taken many steps to improve the safety and quality of our water supply and will be taking more. As you may know, we have recently received a series of recommendations from several sources, including a report from international urban water system consultant, Veolia North America. We will be taking further action steps to assure that water remains safe and that water quality is improved, and we will be working with our recently created Citizen Advisory Committee and our Technical Advisory Committee as we progress. Please track our progress on our website **cityofflint.com**.

City of Flint

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

City of Flint Did Not Meet Treatment Requirements

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Samples were collected for total trihalomethanes (TTHM) analysis from eight locations on a quarterly basis (May 21, August 21, November 20 of 2014, and February 17, 2015). The average of the results at **ANY** of the eight locations must not exceed the maximum contaminant level (MCL) for TTHMs, otherwise our water system exceeds the MCL. The standard for TTHMs is 80 micro grams per liter (µg/L). The location reporting the highest TTHM level was 105 ug/L; thus, our water system exceeds the TTHM MCL.

What should I do?

- There is nothing you need to do unless you have a severely compromised immune system, have an infant, or are elderly. These people may be at increased risk and should seek advice about drinking water from their health care providers.
- You do not need to boil your water or take other corrective actions. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.

What does this mean?

This is not an emergency. If it had been an emergency, you would have been notified within 24 hours.

People who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.

What is being done?

We are currently working on solutions to correct the problem. We anticipate resolving the problem in 2015. Our most recent individual sample results were all less than half the 80 µg/L standard, however since compliance is calculated using a locational running annual average (LRAA) of the most recent four quarters, we are still out of compliance with the MCL at two of eight locations.

For more information, please contact Mr. Brent Wright at 517-787-6537, or the Flint Water Plant at 4500 North Dort Highway, Flint, Michigan 48505.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by the City of Flint.

CERTIFICATION: F2 S3 WSSN: 02310

I certify that this water supply has fully complied with the public notification requirements in the Michigan Safe Drinking Water Act, 1976 PA 399, as amended, and the administrative rules.

Signature	Title	Date Distributed
	Plant Supervisor	March 25, 2015

Reminder to water supplier: This notice/certification must be sent to the Department of Environmental Quality.

From: Dempkowski, Angela (Treasury)
Sent: Tuesday, April 28, 2015 11:45 AM
To: Hollins, Harvey (GOV)
Cc: Clayton, Stacie (GOV)
Subject: DWSD
Attachments: KWA SUMMARY FOR GOVERNOR.Version I.04-18-13.doc; #1.pdf; #2.pdf

Sent on behalf of Wayne Workman.

Angela Dempkowski | Senior Executive Management Assistant/Treasury
State of Michigan | 430 W. Allegan Street, 1st Floor | Lansing, MI 48922
(517) 373-4415 | (517) 373-0633 (fax)
dempkowskia@michigan.gov

Think Green! Don't print this e-mail unless you need to.

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Thank you

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

SUMMARY REPORT

TO: Brom Stibitz, Senior Policy Advisor; Department of Treasury

FROM: Eric Cline. Unit Operations Specialist

SUBJECT: Flint Water System Summary

DATE: April 18, 2013

Summary

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, five options were presented: These options ranged from the Flint Water Plant providing 100% water, to 100% provision of untreated Lake Huron Water by KWA, to 100% provision of treated drinking water by DWSD, or provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

From the presentation of the preliminary report in December 2012 to the submission of the final report by TYJT in January 2013, a number of developments made arriving at a final decision very difficult.

- DWSD provided the City of Flint with at least two modified proposals to consider.
- A debate ensued between TYJT and KWA's principal engineering firm regarding the others' conclusions and estimates for construction of the KWA pipeline.
- The Flint EFM eliminated all options except the 100% DWSD option or joining KWA.

In January 2013, the OFR provided a comprehensive report to the State Treasurer analyzing three questions: 1) The projected construction costs and why Treasury believed the projections provided by Flint/KWA were acceptable; 2) Identification of the construction contingencies; and 3) Identification of the options Flint will utilize in the event of a construction cost overrun or a delay in construction. At the end of this report, the OFR recommended to the State Treasurer that KWA presented the best future option for future potable water. The OFR also concluded that KWA appeared to be the cheaper option; the quality of water would improve; Genesee County appeared willing to assist the City in securing the financing for their portion of the project; the KWA project could signify the beginning of better collaboration between the City of Flint and Genesee County; and the KWA project had both political and popular support.

Between January and April, intense scrutiny of the various proposals was undertaken by Treasury and Flint officials. Treasury officials met with officials from Genesee County to gain a better understanding of the KWA project. In February 2013, Genesee County opened bids for construction of the Lake Huron intakes. This bid

opening represented the first meaningful step toward commencing construction of the KWA system. The bid was $3-million less than projected.

In March 2013, Treasury was notified that DWSD had contacted Flint to negotiate with the City to retain them as a customer. On April 12, 2013, the State Treasurer authorized the Flint EFM to join KWA, pending review of any final offer from DWSD. A final offer was received from DWSD on April 15, 2013.

DWSD's final offer provided two options. The first option was for a "supply only" rate schedule. Only water treatment costs would be recovered and DWDS would absorb all other delivery costs. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon DWSD's Lake Huron WTP. KWA would also have the ability to construct and own its own transmission lines.

The second option was a "full service" rate option. DWSD would provide all production and transmission services. Transmission rates would be calculated only on those costs necessary to supply KWA and no additional transmission rates would be charged. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon the Lake Huron WTP.

Independent analyses of DWSD's final offer by the OFR, the Flint EFM, and the Department of Environmental Quality (DEQ) generally reached the same conclusions:

- DWSD's offer was a framework subject to negotiations and was not a firm offer.
- The offer provided by DWSD was incomplete.
- DWSD's offer did not include a guaranteed rate beyond year one, nor did it limit maximum annual rate increases.
- The DWSD scenarios were based on 40 MGD of service capacity. However, the KWA project provides 60 MGD of initial capacity with potential expansion to 75 MGD.
- DWSD indicates that Flint/ Genesee County would be given "broadened representation," it is unclear exactly what this means in terms of actual control in the decision making processes.
- The DWSD offer relies on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes. In addition, it would leave Genesee County without an adequate backup supply to meet their needs.
- DWSD's offer included an attachment that listed the rank-ordered options (from cheapest to most expensive). DWSD Scenario 2 is listed as the least expensive option (but it is unclear how the total cost of this option was arrived at). DWSD Scenario 1 was not listed.
- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

Copy: Roger Fraser, Deputy State Treasurer; Bureau of Local Government Services
Edward Koryzno, Administrator; Office of Fiscal Responsibility
Randall Byrne, State Administrative Manager; Office of Fiscal Responsibility

<< AUTO PATH >>

4/29/2015 ELB Notes

Prepared for Wayne Workman
Prepared by Drew Van de Grift

Accomplishments:

- Complete elimination of operating deficits through cost reductions and the implementation of financial best practices. .
- General Fund accumulated deficit reduction from 19.1 million in 2012 to approximately 7 million currently.
- Workforce and employee compensation both have been reduced by 20%.
- $850 in unfunded OPEB liabilities has been reduced to $240 million,
- A qualified city administrator has been hired.
- Consolidation of the city-funded 68th District Court into the county-funded 67th District Court. $800k in annual savings
- Consolidation of 911 dispatch services into the county system. More than $1 million in annual savings.
- EM Administrations:
    - Michael Brown December 2011
    - Ed Kurtz August 2012
    - Michael Brown July 2013
    - Darnell Earley October 2013
    - Gerald Ambrose January 2015

Continuing Challenges:

- OPEB reductions are subject to a federal lawsuit. Loss of this legal action means an additional $5 million annual OPEB expense.
- Future expense reductions are necessary to balance multi-year projections.
- The transition to KWA and maintenance of the aging water distribution infrastructure are important challenges which require significant funding and continued leadership.
- The City must reappraise all of the real property in the City prior to the 2018 Assessment Roll. This will be a costly, but necessary undertaking.

Post Emergency Manager Flint

- It is anticipated that the Governor will appoint a Receivership Transition Advisory Board to assist the City as it navigates future challenges.
- The City has adopted its first Master Plan since the 1960s. This Plan is sound and will provide direction for future years.
- A new Capital Improvement Plan has been adopted.
- A new methodology for blight elimination has been implemented, which will improve the city and the lives of the residents.

25 (Rev. 04-16)

Flint

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

DATE: April 29, 2015

TO: Local Emergency Financial Assistance Loan Board (ELB)

FROM: Drew Van de Grift, Michigan Department of Treasury

SUBJECT: City of Flint Emergency Loan

DRAFT

Executive Summary

Major financial and operational progress has occurred in the City of Flint, under the direction of emergency management. The City of Flint is now requesting a $7 million emergency loan to fully eliminate its remaining General Fund accumulated deficit. Such a loan will enable the successful exit of Mr. Ambrose as emergency manager on April 30, 2015.

Financial Background

In November 2011, a financial emergency was declared by Governor Snyder. By the close of fiscal year 2012, the City's General Fund accumulated deficit increased to $19.1 million, while its Water Fund had an $8.8 million accumulated deficit. The City had not complied with previous deficit elimination plans and had engaged in deficit spending for each of the preceding five fiscal years. Additionally, the City's pension and retiree healthcare systems were underfunded to a point of insolvency, with pension assets approximating less than 60% of the correlating liability. Unfunded OPEB liabilities exceeded $850 million. These circumstances were dire and jeopardized the continued delivery of essential municipal services.

Progress and Accomplishments

Four emergency managers have been appointed since the City entered receivership. Great progress has been made during these administrations, and the financial condition of the City has improved markedly. Changes in the structure of the City have led to more professional and responsible management of municipal assets and to reduction of expenses. The new city administrator operates with an emergency manager approved plan for increased efficiencies. New ordinances have been enacted by the City, ordinances which control the City's strategic plan, balanced multi-year budget, fund balance usage, the establishment of a budget stabilization fund, and the purchasing process for the City. Modifications to certain collective bargaining agreements have reduced the unfunded OPEB liability, which the City currently calculates to be $240 million - less than a third of what it was only four years ago. These collective bargaining agreement modifications are contested in a pending federal lawsuit, the loss of which could reverse these savings and reinstate the full unfunded OPEB liability. In this event, the City calculates that its cost of OPEB will increase by approximately $5 million a year.

These best practices have largely addressed the financial emergency in Flint. Budgets have been balanced, and accumulated deficits have shrunken precipitously. The City indicates that the accumulated deficit in the Water Fund has been eliminated. The General Fund accumulated deficit now has been reduced to approximately $7 million.

Rational for Emergency Loan

This $7 million emergency loan would fully eliminate the existing accumulated deficit in the City's General Fund. These emergency loan proceeds would also repay a previous loan from the City's Water Fund and enable further water system improvements. This final step would allow Mr. Ambrose to successfully exit as emergency manager and for the City to transition back to local control. The City will be bound to implement the financial and operational best practices covenanted to in the loan agreement, for the life of the outstanding loan. Lastly, the City meets all of the statutory prerequisites to be eligible for this loan under the Emergency Municipal Loan Act, MCL 141.931 *et seq*.

Loan Properties

This $7 million loan will be repaid over 15 years, and carries a 2.09% annual interest rate. The debt service is level throughout the duration of the loan. Further detail is found in the repayment schedule included in this packet.

Conclusion

This emergency loan request comes at a time when the City of Flint has made considerable financial and operational progress. The proceeds of this loan would be used to eliminate the last significant deficit in the City. This action would allow the exit of the emergency manager and bind the City to the terms of this loan to ensure prudent financial management for the future of the City of Flint.

From: Murray, Mark [redacted]
Sent: Thursday, July 23, 2015 12:22 PM
To: Hollins, Harvey (GOV)
Subject: RE: Water Filter

If we can work this out, where would you want them delivered? Who would receive? State? City?

-----Original Message-----
From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
Sent: Thursday, July 23, 2015 12:20 PM
To: Murray, Mark
Subject: RE: Water Filter

Thank you.

-----Original Message-----
From: Murray, Mark [redacted]
Sent: Thursday, July 23, 2015 10:57 AM
To: Hollins, Harvey (GOV)
Cc: Steele, Cindee
Subject: RE: Water Filter

Will get back soon.

-----Original Message-----
From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
Sent: Wednesday, July 22, 2015 12:17 PM
To: Murray, Mark
Subject: Water Filter

Mark,
Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:
Product ID 3176421
UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)
[redacted]

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From: Wyant, Dan (DEQ)
Sent: Sunday, July 26, 2015 12:35 PM
To: Hollins, Harvey (GOV)
Subject: FW: Need upate on lead / copper tests for Flint
Attachments: DWSD-CorrosionControlStudy.pdf; Flint lead history.pdf; DWSD-Flint-1993-Lead-Letter.pdf

Harvey,

FYI, I will call you on Monday to discuss.

Dan Wyant, Director
Department of Environmental Quality
517-284-6700 (New Number)

From: Wurfel, Brad (DEQ)
Sent: Friday, July 24, 2015 4:18 PM
To: Saxton, Thomas (Treasury); Muchmore, Dennis (GOV); Wyant, Dan (DEQ)
Subject: FW: Need upate on lead / copper tests for Flint

Guys, here's an update and some clarification on the lead situation in Flint. Please limit this information to internal for now.

By the tenants of the federal statute, the city is in compliance for lead and copper. That aside, they have not optimized their water treatment (for the most part, this means adding phosphates to minimize the degree that the water Ph mobilizes lead and copper in people's home plumbing).

Compliance with the standard started with testing. A June-December run of tests (all in homes with lead in their premise plumbing) concluded in December. Another January – June round of sampling concluded last month. Everything checks out in terms of compliance, but now the next step is optimizing the water supply.

So, In about two weeks, DEQ will be sending a formal communication about the optimizing issue. The federal program has long timelines for action. A community water supplier gets 18 months to study the options, and two years thereafter to implement water system optimization measures.

My point: Conceivably, by the time we're halfway through the first timeline, the city will begin using a new water source with KWA … and conceivably, the whole process starts all over again.

In terms of near-future issues, the bottom line is that residents of Flint do not need to worry about lead in their water supply, and DEQ's recent sampling does not indicate an eminent health threat from lead or copper. That said, anyone with lead pipes in their premise plumbing (this translates to tens of thousands of homes in our older urban centers, btw) should at least be aware that they have them, and to some limited degree that's going to impart minute parts per billion of lead in water no matter what. Its why nobody uses lead water pipes anymore.

The long version of this note is below. Let's connect next week. I'd like some thoughts about what more the state could be doing -- most immediately, to convey the results of our testing and tell the story to the residents of Flint in an effort to quell some fears.
Thanks!
b

From: Busch, Stephen (DEQ)
Sent: Friday, July 24, 2015 3:46 PM
To: Wurfel, Brad (DEQ)
Cc: Shekter Smith, Liane (DEQ); Wyant, Dan (DEQ); Pallone, Maggie (DEQ); Prysby, Mike (DEQ); Benzie, Richard (DEQ)
Subject: RE: Need upate on lead / copper tests for Flint

Brad,

As we discussed, the City has completed the last round of monitoring (Jan 1 – June 30, 2015). The last samples came in about a week ago. We have made the compliance determination that the 90th percentile level is 11 parts per billion, which is below the Action Level Standard of 15 parts per billion (there is no Lead maximum contaminant level standard). The federal rule requires measuring lead levels in water from household plumbing materials to determine the corrosivity of the City's water in order to limit exposure.

I have provided a summary of Flint's lead compliance monitoring from the last 20+ years since this regulation started in 1991. The City of Flint itself has never had a 90th percentile level exceed the 15 part per billion action level. Sampling requirements look at the worst case plumbing materials. Samples must be collected in accordance with the regulatory requirements and criteria in order to be used for compliance determinations.

Because the City of Flint serves a population of over 50,000 they are required to have Fully Optimized Corrosion Control. While it is possible to meet the fully optimized requirement without additional treatment, based on their two rounds of sampling since switching to the Flint River, we have determined they did not meet the eligibility for this per the regulation. They now have to complete a study (within 18 months) and are then allowed a period of additional time (2 additional years) to install the selected treatment for Fully Optimized Corrosion Control in accordance with the regulatory requirements. This is what DWSD was required to do back in 1993 – 1997 (see attached letter and study). We are planning to suggest the City directly submit a treatment process to shorten the timeline to achieve full optimization. This letter is currently being drafted but won't be ready to mail out for another week.

Liane and I had a conference call with EPA region V in Chicago on Tuesday to go over all of this and they are in support of these next steps with the City.

The matter will be potentially further complicated when the City switches over to water from the Karegnondi Water Authority next year to re-evaluate the continuing requirement to fully optimize corrosion control.

The DEQ recognizes that there is has been no level of lead exposure determined to be safe, but again the regulation was developed to optimize water corrosivity to limit exposure and the City is following the regulatory requirements.

Lead is not coming from the Flint River or the City's Water Treatment Plant or the public distribution system. It is from lead service lines into homes and from plumbing materials and fixtures within the private property of the household.

As watermains are replaced within the City lead services associated with that section of watermain would be replaced in order to reconnect to City water. This would also place burden on the homeowner to pay for having the service line re-plumbed. However, since 2000 only 16 miles of the City's 500 miles of watermain have been replaced as they did not have the financial means to do so.

Let us know if there are questions or you need any additional information.

Stephen Busch, P.E.
MDEQ Lansing District Coordinator
Office of Drinking Water and Municipal Assistance
Lansing and Jackson District Supervisor
517-643-2314
buschs@michigan.gov

From: Wurfel, Brad (DEQ)
Sent: Friday, July 24, 2015 12:09 PM
To: Busch, Stephen (DEQ); Prysby, Mike (DEQ)
Cc: Shekter Smith, Liane (DEQ); Wyant, Dan (DEQ); Pallone, Maggie (DEQ)
Subject: Need upate on lead / copper tests for Flint

Guys, the Flint Ministers met with the Governor's office again last week. They also brought along some folks from the community – a college prof and a GM engineer – who imparted that 80 water tests in Flint have shown high lead levels.

Could use an upate on the January / june testing results, as well as recap of the December testing numbers, and any overview you can offer to edify this conversation.
Call me or email today if possible. Thanks!
b

Brad Wurfel
Communications Director
Michigan Department of Environmental Quality
517-284-6713
[redacted]

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
WATER BOARD BUILDING

735 RANDOLPH STREET
DETROIT, MICHIGAN 48226-2830
PHONE 313 • 224 • 4800/224•4801
FAX 313 • 224 • 6067

Flint #2310

June 10, 1994

To: DWSD Wholesale Customers

RE: EXECUTIVE SUMMARY OF DETROIT'S CORROSION CONTROL STUDY

Enclosed is a copy of the Executive Summary prepared by our consultant, Tucker, Young, Jackson & Hull, detailing work to date on the Corrosion Control Study performed for Detroit and Detroit's wholesale customers.

The EPA required large utilities to test water samples in highest risk homes for led and copper content in 1992 to determine if the action levels of 15 micrograms per liter and 1.3 milligrams per liter respectively were exceeded. Detroit complied with this requirement and determined that the action level for lead was exceeded in many communities. Therefore, DWSD conducted and continues to conduct a public education program designed to inform consumers how to reduce their exposure to lead.

The EPA further required large water suppliers to determine if their lead could be less corrosive and, if so, the utility was mandated by the Lead and Copper Rule to determine ways the water could be made less corrosive and report their recommendations to the primary agency. For DWSD, the primary agency is the Michigan Department of Public Health (MDPH).

After several years of study, DWSD is forwarding the complete study findings to the MDPH for their consideration. It was concluded that DWSD could reduce the corrosivity of the water in the most cost effective and efficient manner by the addition of ortho-phosphate, specifically in the form of phosphoric acid. The Executive Summary of these findings is being forwarded to you for your information. The MDPH has until the end of December 1994 to consider DWSD's recommendation. In the interim, DWSD plans on conducting a demonstration test of the corrosion control treatment in our distribution system to further assist the MDPH and to further safeguard public health.

Very truly yours,

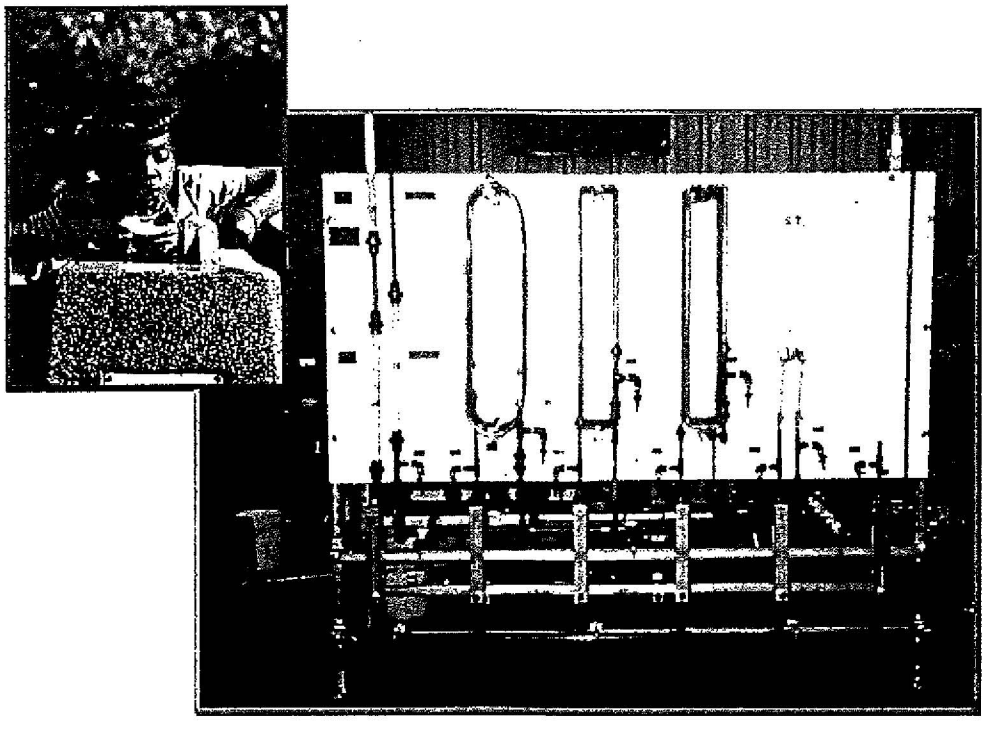
Irving M. Schuraytz, P.E.
Assistant Director, Water Supply Operations

Kathleen Leavey
Deputy Director

KL/IMS/JH/cs

Executive Summary

Lead and Copper Corrosion Control Optimization Study



prepared by

Tucker, Young, Jackson, Tull, Inc., in association with
CH2M HILL, INC., and Economic and Engineering Services, Inc.

May 1994

Detroit Water and Sewerage Department

Introduction

As a result of the Safe Drinking Water Act (SDWA) Amendments of 1986, the U.S. Environmental Protection Agency (EPA) published final drinking water regulations for lead and copper in the June 7, 1991, *Federal Register*. Those regulations, known as the Lead and Copper Rule (LCR), require:

- Tap water monitoring, which is a new approach for water utilities
- Treatment optimization for lead and copper corrosion control
- Public education and lead service line removal if utilities exceed preset lead or copper levels

Large utilities, serving populations greater than 50,000, are required to conduct corrosion control studies to demonstrate that they are either already providing optimal treatment or to determine optimal treatment for their system.

DWSD made necessary public notices and embarked on studies to develop optimal treatment solutions.

In response to the regulations, the Detroit Water and Sewerage Department (DWSD) conducted two rounds of monitoring at home water taps for lead and copper and throughout the distribution systems for other water quality parameters. Monitoring was a cooperative effort between the DWSD, wholesale water customers, and the Michigan Department of Public Health (MDPH). Copper levels were well below EPA limits. Lead levels, however, exceeded EPA action levels (ALs) and DWSD made necessary public notices and embarked on studies to develop optimal treatment solutions.

Lead exposure sources for humans include air, food, dust, paint, and drinking water. Elevated lead levels in blood have been associated with adverse health effects in humans. Federal health authorities have many programs to reduce lead exposure including low-lead gasoline and reduced lead content in paint. Although drinking water may not be the major source of lead, reducing lead levels in drinking water will have a positive health benefit. An additional benefit of corrosion control is prolonged life for water distribution pipes and home plumbing. This results in lower costs for water utilities and their customers.

In March 1992, the DWSD contracted with Tucker, Young, Jackson, Tull, Inc. (TYJT), in association with CH2M HILL, INC., and Economic and Engineering Services, Inc. (EES), to perform a lead and copper corrosion control study. The purpose of the study was to determine the optimal approach for reducing lead and copper concentrations in DWSD drinking water without adversely affecting other water quality characteristics. Major tasks in this study were to:

- Evaluate existing water quality data, existing distribution system pipe materials and the results of lead and copper sampling
- Identify and analyze feasible and practical treatment methods to reduce lead and copper corrosion (desktop analysis)
- Design and construct a pipe-loop testing apparatus to evaluate treatment alternatives identified in the desktop analysis

- Operate the pipe loops for 1 year to evaluate selected corrosion control treatments on different pipe materials
- Evaluate the effectiveness and feasibility of the tested treatment alternatives in reducing lead and copper concentrations
- Recommend an optimum lead corrosion control treatment
- Develop an implementation plan for full-scale corrosion control facilities

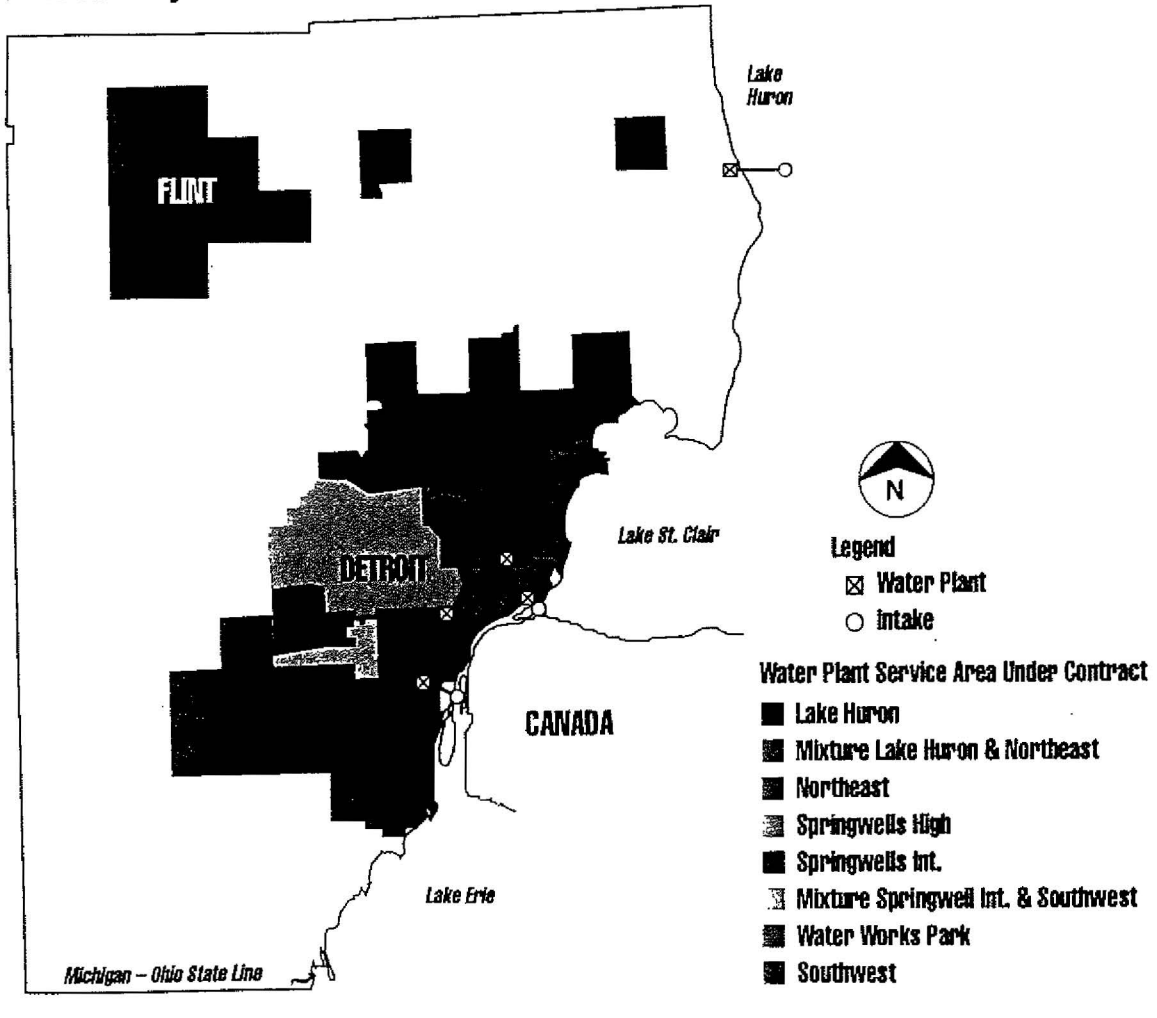
This report presents the results of the DWSD Lead and Copper Corrosion Control Optimization Study.

Existing Conditions

The DWSD obtains water from three intakes. Two of these, the Belle Isle and the Fighting Island Intakes, take water from the Detroit River. The third intake is on Lake Huron. Water is treated at five water treatment plants (WTPs) including the Water Works Park, Southwest, Springwells, Northeast, and Lake Huron WTPs. The water system is shown in Figure ES-1. Treated water from the 5 WTPs is distributed to the City of Detroit and 119 wholesale water customer systems. The DWSD water system serves about 4 million people.

Water leaving the WTPs is of good quality and considered moderately

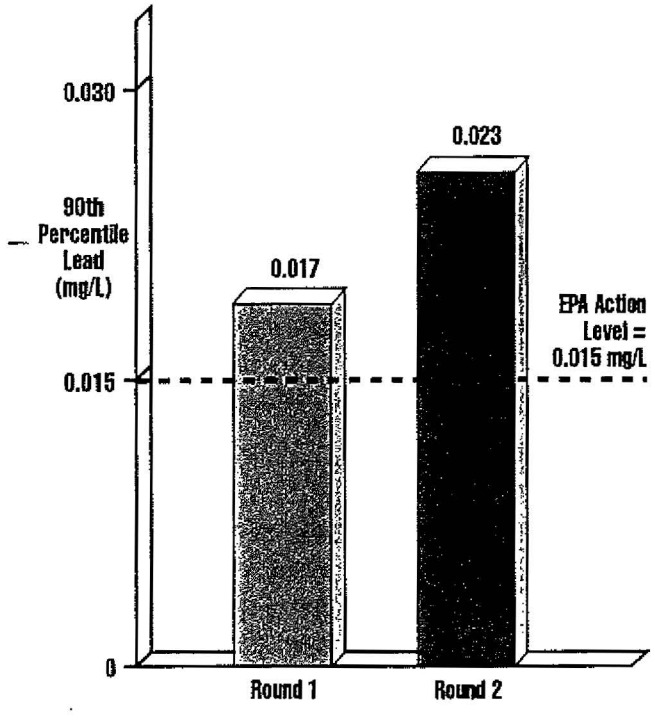
Figure ES-1
DWSD Water System



corrosive. For example, pH from the five WTPs averages 7.4, alkalinity averages 76 mg/L ($CaCO_3$), and hardness averages 100 mg/L ($CaCO_3$). Nevertheless, some increase in lead and copper is resulting from the corrosive action of the water, primarily on service pipe and household plumbing. The main sources of lead are 50:50 lead/tin solder, brass containing lead used in faucets, and lead service lines and plumbing.

The regulation lead AL is 0.015 mg/L at the 90th percentile in home water taps. During the LCR Compliance Monitoring conducted in 1992, DWSD's 90th percentile lead concentration was 0.017 mg/L in the first round and 0.023 mg/L in the second round of sampling (Figure ES-2). Looking at the data in a slightly different manner, 35 to 37 percent of the 119 purveyor water systems exceeded the AL for lead.

Figure ES-2
LCR Compliance Monitoring Results for Lead



For copper, the 90th percentile concentrations were 0.34 and 0.19 mg/L for two rounds of sampling–well below the copper AL of 1.3 mg/L (Figure ES-3). Lead uptake, therefore, is the major concern within the DWSD water system.

Determining the optimal lead control treatment is essential; it is the objective of conducting this corrosion control study. Further, there are an estimated 200,000 lead service lines (LSLs) in DWSD's direct service area and possibly more in areas served by wholesale customers. After corrosion treatment is optimized, the possibility exists that lead ALs may still be over 0.015 mg/L at the 90th percentile. Should this occur, the DWSD would need to embark on a removal program for LSLs, which could cost between $300 and $800 million.

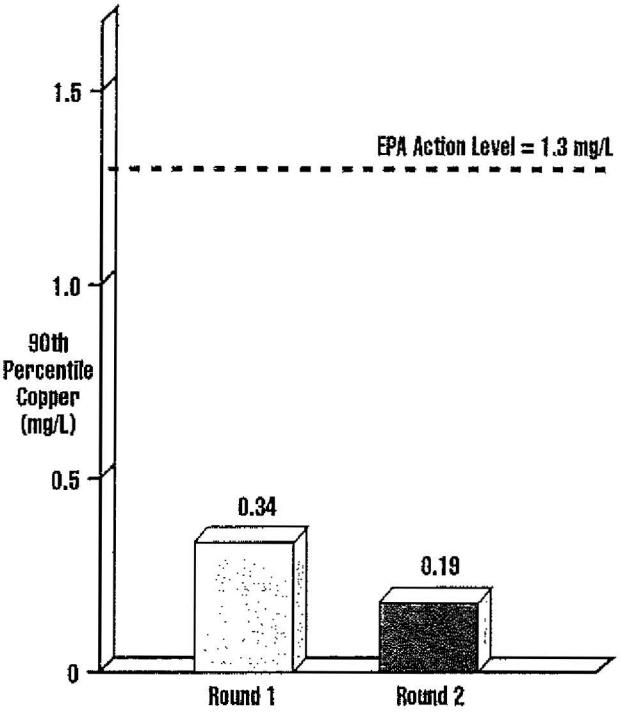
Desktop Analysis

To reduce the number of chemicals for long-term testing, a screening analysis was performed using desktop techniques recommended by U.S. EPA. Lead corrosion control treatment methods examined for their applicability to DWSD are as follows:

- Polyphosphates
- Orthophosphates
- Zinc orthophosphate
- Polyphosphate/orthophosphate blends
- Silicates
- pH adjustment
- Alkalinity adjustment
- Calcium adjustment

The main criteria for selecting a lead corrosion control method is performance for lead uptake reduction. Lead corrosion control methods were also evaluated

Figure ES-3
LCR Compliance Monitoring Results for Copper



based on effects on other drinking water regulations, industrial water users, wastewater treatment, water quality, water treatment operations, consecutive water systems, and multiple sources of supply and treatment.

Based on this evaluation, the following chemical treatments were eliminated from consideration for pipe-loop testing.

- **Polyphosphates.** These products are primarily used to sequester iron, calcium, and manganese and may actually do more to promote lead corrosion than to prevent it.
- **Polyphosphate/Orthophosphate Blends.** These products have not been proven to be more effective than orthophosphates alone for lead reduction, and their proprietary chemical composition makes selection of the optimum product difficult.
- **Silicates.** Sodium silicate inhibitors require a high dosage for lead control and, based on a survey of major industries, would have significant adverse effects on industrial water users.
- **Alkalinity Adjustment.** This technique would have marginal performance for lead reduction based on DWSD water quality and would be impractical for a system the size of DWSD.
- **Calcium Adjustment to Deposit a Calcium Carbonate Layer.** This technique is not a proven method for lead reduction, and would be difficult to produce a uniform layer throughout a distribution system the size of DWSD. Calcium carbonate deposition, however, can occur when pH is raised for lead reduction. This situation is addressed under the pH adjustment alternative.

Lead corrosion control treatment methods applicable for DWSD water are as follows:

- **Orthophosphates.** These products have been shown to be an effective means of lead reduction for water similar to that of the DWSD.
- **Zinc Orthophosphate.** These products are also a proven method of lead reduction, although there is concern about zinc in industrial water and wastewater.
- **pH adjustment.** This technique is also a proven method of reducing lead solubility, although higher pHs affect some industrial users and can increase calcium carbonate deposition.

A survey of 16 Great Lakes area water utilities using water of similar quality to that of DWSD demonstrated the effectiveness of orthophosphate, zinc orthophosphate, and pH adjustment in reducing lead concentrations at the consumers' taps. Those treatment methods, therefore, were retained for further testing in the pipe-loop apparatus.

Pipe-Loop Testing

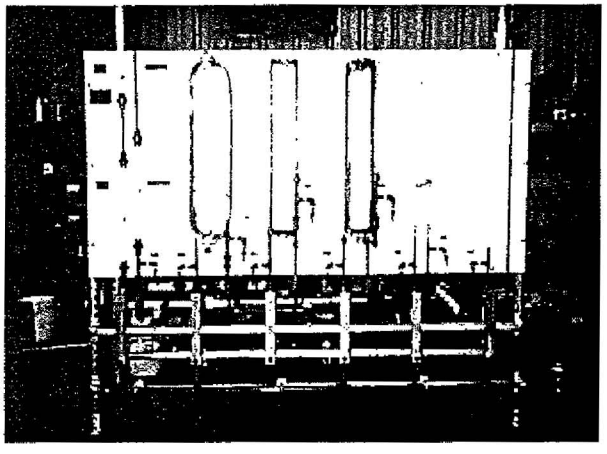
Based on the desktop analysis, it was concluded that the following treatments would be tested in the pipe loops:

- Adjusting pH to 8.1 using sodium hydroxide
- Adjusting pH to 8.7 using sodium hydroxide
- Adding zinc orthophosphate at doses of 0.4 mg/L for zinc and phosphorous (as P)
- Adding orthophosphate using phosphoric acid at a dose of 0.4 mg/L as P

Pipe-loop testing produces information on the corrosion control treatment most likely to effectively reduce lead levels.

It is important to understand that pipe-loop testing is conducted to provide information on the **relative effectiveness** of corrosion control treatments. The results cannot be used to predict actual lead levels that may occur at customers' taps in the water system. Pipe-loop testing, however, produces information on the corrosion control treatment most likely to effectively reduce lead levels and is an approved optimization technique.

Figure ES-4
Typical Testing Apparatus



A pilot-scale testing apparatus was designed and constructed to test each of the treatment techniques on different pipe materials. Five pipe-loop racks were constructed: one for each of the four methods and another for control (no treatment provided). Each pipe-loop rack included one new lead pipe loop, two identical copper pipe loops with lead soldered joints, one brass tester, and one section of old lead pipe. Three weight loss testers were also included for measuring corrosion rates of steel, galvanized steel, and copper. A typical testing apparatus is shown in Figure ES-4.

The pipe-loop facility was installed in the lower level of the Water Works Park High Service Pump Station and operated from January to November, 1993. After an initial period of passivation, water samples were collected on a weekly basis and analyzed for lead, copper, and zinc. The 1-liter water samples were taken after the water had been in contact with the pipe loop materials for 8 hours. This was done to represent the first-draw sampling required by the LCR. Additional sampling included daily monitoring for pH, chemical doses, and temperature. Disinfection

by-products (DBPs) and pipe insert weight loss were done quarterly. Flavor profile analyses to assess any changes in tastes or odors were run monthly.

Results of pilot testing indicated:

- The inhibitor treatments, zinc orthophosphate, and phosphoric acid are statistically better than the untreated control for both old and new lead piping (Figure ES-5).
- For lead solder and copper piping, the median lead levels were lowest in the water with inhibitors (zinc orthophosphate and phosphoric acid), but only the phosphoric acid results were statistically better than the other loops (Figure ES-6).
- For brass, the results indicated that the treatments were no better than the control; however, lead levels were near the detection limit in the brass testers (Figure ES-6).
- Zinc orthophosphate and phosphoric acid were also found to be the most effective treatments in reducing copper (Figure ES-7).

Figure ES-5
Relative Lead Levels from Lead Pipe

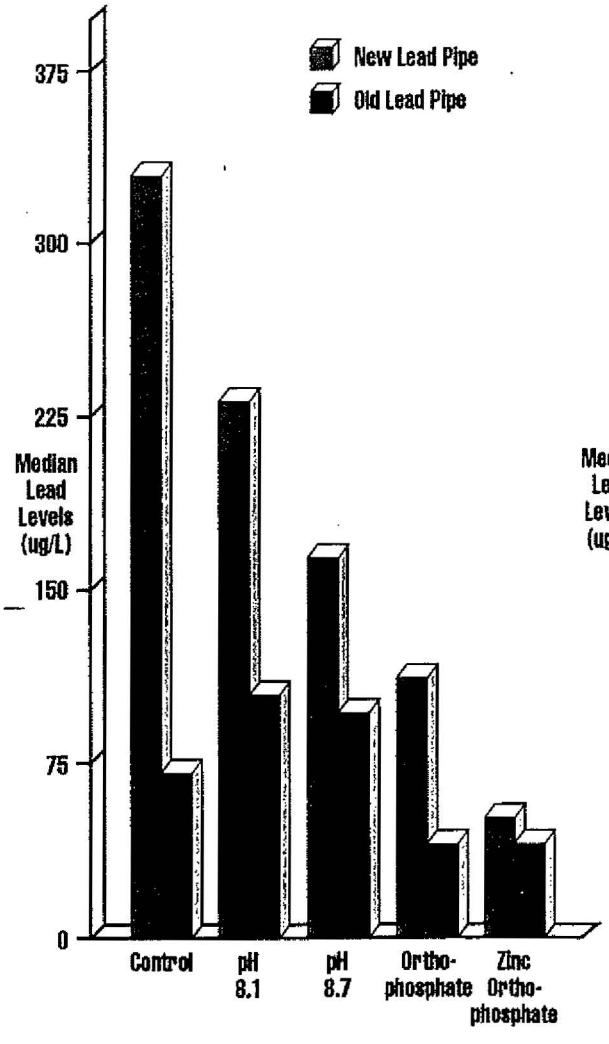


Figure ES-6
Relative Lead Levels from Soldered Copper and Brass

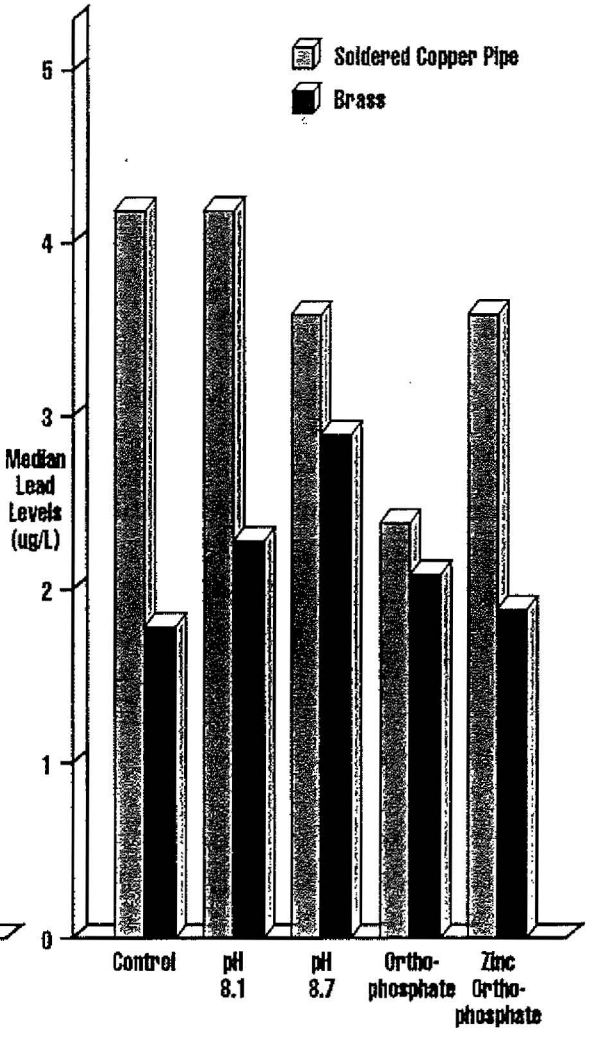
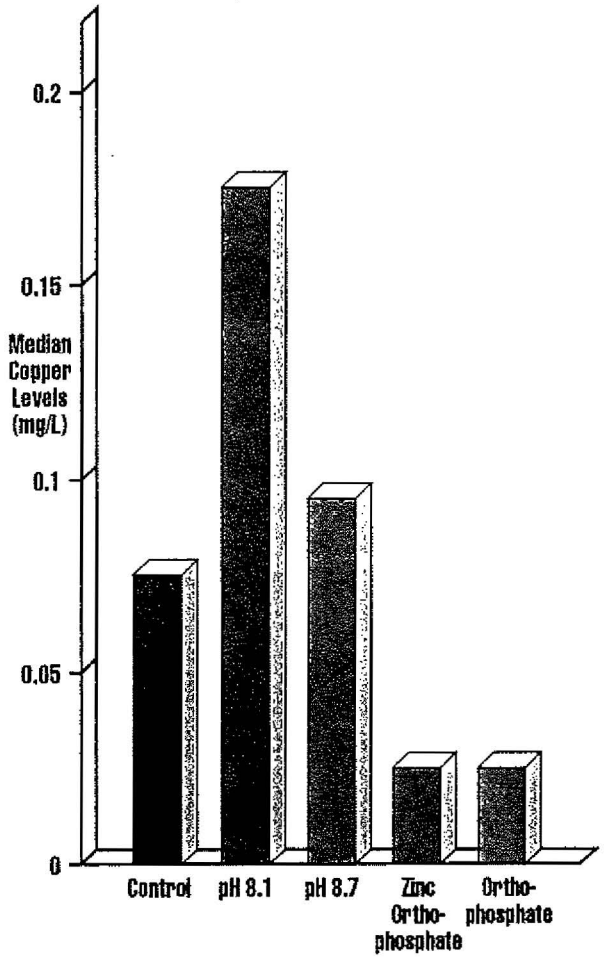


Figure ES-7
Relative Copper Levels from Copper Pipe



- DPBs were increased for the pH adjustment treatments as expected. The DBPs formed as a result of this increase, however, did not exceed EPA-proposed limits. The orthophosphate and zinc orthophosphate did not increase DBPs.
- None of the corrosion control treatments had an adverse effect on the taste and odor of the water produced.

Evaluating Corrosion Control Treatment

The four corrosion control treatments tested in the pipe loops were evaluated based on the following criteria:

- Performance for lead uptake reduction
- Feasibility of implementation within regulatory and functional constraints
- Reliability in terms of operational consistency and continuous corrosion control protection
- Cost

Pipe-loop data analyses indicated orthophosphate and zinc orthophosphate are most likely to yield the best results for lead reduction. pH adjustment was not as effective for lead control. Orthophosphate and zinc orthophosphate were effective at reducing copper levels.

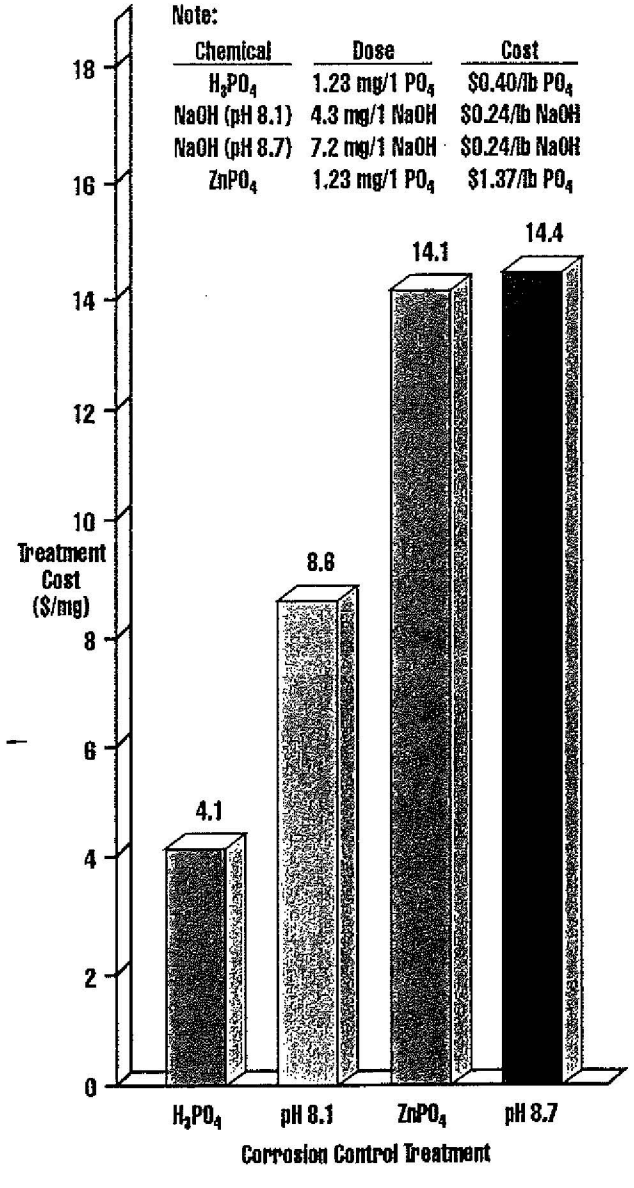
A feasibility analysis indicated that industrial water users would be affected adversely by zinc or a higher water pH. Wastewater operations would be adversely affected by zinc and orthophosphates loadings. There were no major effects of corrosion control treatment on drinking water regulations. pH adjustment could, however, decrease disinfection effectiveness and increase DBP formation.

The reliability of zinc orthophosphate and sodium hydroxide chemicals is less than would be expected for orthophosphates. Zinc orthophosphate is a proprietary chemical with price and supply constraints. Sodium hydroxide availability and price depend on market conditions. Orthophosphate (phosphoric acid) is available as a generic chemical and is commonly used in the food and bever-

age industry; therefore, price and availability are more stable. From a WTP-operations standpoint, pH adjustment is less reliable because pH can change with raw water quality and treatment conditions.

The chemical cost of each treatment alternative is shown in Figure ES-8. Phosphoric acid addition is less than half the cost of pH adjustment to 8.1, the next lowest chemical cost. This represents an average cost savings of about $2,400 per day. Phosphoric acid could save the DWSD about $10 million in present worth in the next 20 years compared to the next lowest cost alternative.

Figure ES-8
Treatment Alternatives Costs



Selecting Corrosion Control Treatment

The relative ranking of alternatives for the four criteria (performance, feasibility, reliability, cost) is summarized in Figure ES-9. Values of 1 through 4 were assigned for each treatment alternative in each criteria category (1 was best; 4 worst). Because performance for lead reduction was the main criteria, it was given a weight of 2. Each of the other criteria was given a weight of 1.

Orthophosphates were ranked highest overall. Zinc orthophosphate was second, mainly because of its adverse effects on industry, wastewater plant operations, and higher costs. pH adjustment was ranked lowest because it is less effective for lead reduction, less reliable, and demonstrates more adverse effects on industry and drinking water regulatory compliance.

Orthophosphates were selected as the optimal treatment alternative for full-scale lead corrosion control.

Based on corrosion control theory, comparison with analogous water systems, and the extensive pilot plant studies, orthophosphates were selected as the optimal treatment alternative for full-scale lead corrosion control.

Figure ES-9
Alternatives Ranking by Criteria

Treatment	Evaluation Criteria				
	Performance wt.= 2	Feasibility wt.= 1	Reliability wt.= 1	Cost wt.= 1	Weighted
Phosphoric Acid	2	1	1	1	7
Zinc Orthophosphate	1	4	2	3	11
pH 8.1	4	2	3	2	15
pH 8.7	3	3	4	4	17

Legend: 1 = Best; 4 = Worst

Phosphoric acid is the recommended form of adding orthophosphate. It is a generic chemical and can be bid competitively. It does not add sodium to the water and costs less than any other form of orthophosphate. In addition, the finished water pH is already in the optimal range for lead solubility reduction by phosphates, so pH adjustment is not required.

The recommended dose of phosphoric acid is 1.2 mg/L as P for initial passivation and a sustained dose of 0.4 mg/L as P for maintaining control of lead uptake. Values may be adjusted based on full-scale results.

Full-Scale Implementation

The LCR requires optimal corrosion control treatment installation by January 1, 1997. To meet this deadline, the implementation schedule in Figure ES-10 is proposed. The first element of implementation is to conduct full-scale demonstration testing in the distribution system served by one of the WTPs before installing chemical feed facilities in the other four plants. Operation of lead corrosion control facilities at all plants is planned for May 1996. This will provide additional time to optimize the system before lead monitoring is required in 1997.

The chemical equipment required for each WTP is summarized in Table ES-1. A schematic of a typical liquid chemical system is shown in Figure ES-11.

The cost of lead corrosion control chemicals is estimated to be about $0.87 per year per household.

The estimated capital cost for corrosion control facilities at the five WTPs is $3,740,000. The estimated cost of chemicals is $868,000 per year. The cost of lead corrosion control chemicals is estimated to be about $0.87 per year per household.

A monitoring program will be established before and after corrosion control treatment is implemented to determine performance for lead reduction and effects on other water quality parameters. If lead is reduced to below the EPA AL of 0.015 mg/L for two consecutive 6-month monitoring periods, other methods of lead reduction, such as removing lead service lines, will not be required.

If the lead AL is still exceeded after optimization and stabilization, a program for lead service line removal should be developed in addition to an ongoing public education program.

Operation of lead corrosion control facilities at all plants is planned for May 1996.

Figure ES-10
Implementation Schedule

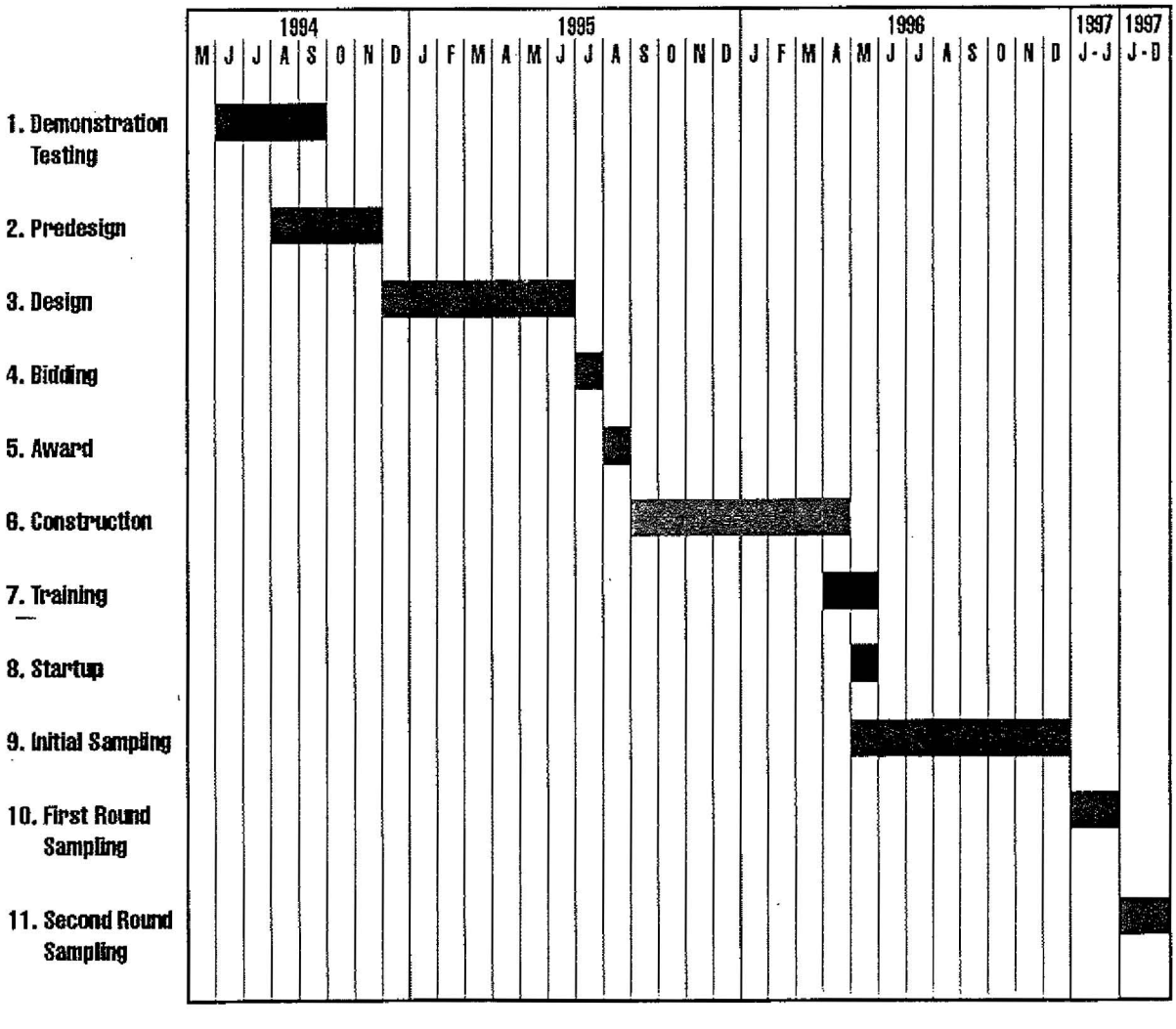
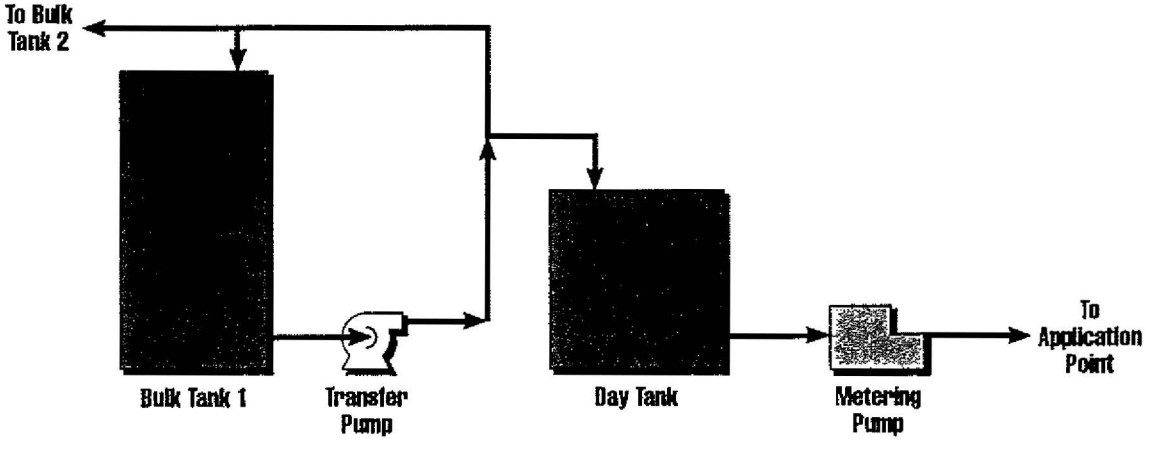


Table ES-1
Chemical Equipment Summary

	Southwest Water Plant	Water Works Park Water Plant	Northeast Water Plant	Springwells Water Plant	Lake Huron Water Plant
Number of bulk tanks	2	2	2	2	2
Bulk tank capacity, each (gal)	4,000	4,000	4,000	6,000	4,000
Number of day tanks	1	1	1	1	1
Day tank capacity (gal)	200	200	200	400	200
Number of feeders	3	3	3	3	3
Feeder capacity, each (gpd)	1 @ 200 2 @ 650	1 @ 300 2 @ 650	1 @ 250 2 @ 800	1 @ 600 2 @ 1,500	1 @ 350 2 @ 650
Number of transfer pumps	2	2	2	2	2
Transfer pump capacity each (gpm)	15	15	15	30	15

Figure ES-11
Liquid Chemical System Schematic



City of Flint Lead and Copper Rule Monitoring History						
Monitoring Period	90th Percentile (parts per billion)	Number of Samples above 15 ppb	Samples Required	Samples Collected	Required Frequency	
Jan. - June 2015	11 ppb	6	60	68		*Unofficial
July - Dec. 2014	6 ppb	2	100	100	6 months	
New Source and Treatment - Flint River and Flint WTP						
June - Sept. 2011	0 ppb	0	23	23	3 years	
June - Sept. 2008	0 ppb	0	33	33	3 years	
June - Sept. 2005	1.4 ppb	0	33	33	3 years	
June - Sept. 2002	4 ppb	1	33	33	3 years	
June - Sept. 2001	4.4 ppb	0	33	33	1 year	
June - Sept. 2000	7 ppb	2	33	33	1 year	
Jan. - June 1999	5 ppb	0	33	33	1 year	
July - Dec. 1998	7.4 ppb	1	33	33	6 months	
July - Dec. 1997	5 ppb	1	33	33	6 months	
Jan. - June 1997	4.5 ppb	1	33	33	6 months	
DWSD Study and OCC Treatment						
July -Dec. 1992	14.4 ppb	3	33	33	6 months	
Jan. - June 1992	15 ppb	4	33	33	6 months	

STATE OF MICHIGAN

JOHN ENGLER, GOVERNOR

DEPARTMENT OF PUBLIC HEALTH

3423 N. LOGAN/MARTIN L. KING JR., BLVD.
P.O. BOX 30195, LANSING, MICHIGAN 48909

Vernice Davis Anthony, Director

March 15, 1993

City of Flint
1101 South Saginaw Street
Flint, Michigan 48502

WSSN: 2310

Attention: Mr. Charles Smith, Utilities Superintendent

Subject: Lead/Copper Monitoring

Gentlemen:

We have reviewed the results of the second round of the lead and copper monitoring completed for your water supply for the period of July 1, 1992, through December 31, 1992. The samples were collected and analyzed to comply with the U.S. Environmental Protection Agency's Lead and Copper Regulation. The action levels specified in the regulation require that the 90th percentile results from the distribution system samples for lead and copper not exceed 15 and 1300 ug/l, respectively.

Since the 90th percentile lead level for your water system is 14.4 ug/l, the lead action level of 15 ug/l has not been exceeded. Also, the 90th percentile copper level was significantly below the copper action level of 1300 ug/l. This means that your water system has met both action levels for the first two monitoring periods.

Although many of the Detroit Water and Sewerage Department (DWSD) customers have met the action levels, DWSD is required to conduct a study to determine whether their water treatment processes can be improved to further reduce corrosion. The study is to be completed by July 1, 1994, and any recommended treatment modifications must be in place by January 1, 1997.

Further monitoring of your water system for lead and copper will not be required until the DWSD study is complete and any additional corrosion control treatment has begun. We will inform you when monitoring is again required. This may be as late as January 1997.

If you have any questions, please call me at (517) 335-8309.

Sincerely,

Timothy A. Benton, P.E.
District Engineer
Division of Water Supply
Bureau of Environmental and
Occupational Health

TAB:im
cc: John Weisenberger, Water Plant Supervisor
cc: Genesee County Health Department

From: Murray, Mark [redacted]
Sent: Monday, July 27, 2015 7:44 AM
To: Hollins, Harvey (GOV)
Cc: Behler, Stacie
Subject: RE: Water Filter

Harvey -

We are all set. Stacie Behler can serve as liaison on this one. The merchant team can source 1,500 filters. We will get them to the community at cost. My guess is this will be $20k or so, but the team will give you a final number.

Because we don't want to be a state vendor, we won't sell them to you. Stacie will work out logistics of whether we make a donation of gift cards to the state that you use to purchase them, or whether there is some other entity to which we can give them.

Given all the circumstances, we are not interested in any publicity. We want it to be clear that the state is providing these, not Meijer.

Thanks for reaching out.

Mark

-----Original Message-----
From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
Sent: Thursday, July 23, 2015 12:20 PM
To: Murray, Mark
Subject: RE: Water Filter

Thank you.

-----Original Message-----
From: Murray, Mark [redacted]
Sent: Thursday, July 23, 2015 10:57 AM
To: Hollins, Harvey (GOV)
Cc: Steele, Cindee
Subject: RE: Water Filter

Will get back soon.

-----Original Message-----
From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
Sent: Wednesday, July 22, 2015 12:17 PM
To: Murray, Mark
Subject: Water Filter

Mark,
Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:
Product ID 3176421
UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)
[redacted](Cell)

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From: Haan, Andrew (GOV)
Sent: Wednesday, July 29, 2015 1:07 PM
To: Hollins, Harvey (GOV); Clayton, Stacie (GOV); Armstrong, Anne (GOV)
Subject: Flint water article

I always enjoy reading my daily Citylab email. Today was a little different, as the article on Flint water below presents the situation there in a quite negative light.

Thought the team would be interested....

http://www.citylab.com/weather/2015/07/aging-infrastructure-is-poisoning-americas-water-supply/399878/?utm_source=nl__link5_072915

Andrew Haan
Associate Director
Governor's Office of Urban and Metropolitan Initiatives
Southwest Michigan First
241 E. Michigan Avenue
Kalamazoo, MI 49007
(269) 303-1967

From: Clayton, Stacie (GOV)
Sent: Wednesday, July 29, 2015 1:10 PM
To: Haan, Andrew (GOV); Hollins, Harvey (GOV); Armstrong, Anne (GOV)
Subject: RE: Flint water article

Thanks, Andrew. Harvey, Dennis and DEQ have been working on this since earlier this year. Harvey has been spending quite a bit of time in Flint these past few month – smile.

Stacie

From: Haan, Andrew (GOV)
Sent: Wednesday, July 29, 2015 1:07 PM
To: Hollins, Harvey (GOV); Clayton, Stacie (GOV); Armstrong, Anne (GOV)
Subject: Flint water article

I always enjoy reading my daily Citylab email. Today was a little different, as the article on Flint water below presents the situation there in a quite negative light.

Thought the team would be interested....

http://www.citylab.com/weather/2015/07/aging-infrastructure-is-poisoning-americas-water-supply/399878/?utm_source=nl__link5_072915

Andrew Haan
Associate Director
Governor's Office of Urban and Metropolitan Initiatives
Southwest Michigan First
241 E. Michigan Avenue
Kalamazoo, MI 49007
(269) 303-1967

From: Akemann, Jamie [redacted]
Sent: Friday, July 31, 2015 7:40 AM
To: Bob Richardson Jr
Cc: Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV); Behler, Stacie; Clayton, Stacie (GOV)
Subject: RE: Meijer

Good morning,

Below is the address for delivery of the water filters. Please copy Stacie Clayton when they are shipped with a tracking number. She will ensure someone is at the church the day of delivery.

Thanks for the support!

Deliver to:

Pastor Allen Overton
Mt. Carmel Baptist Church
1610 West Pierson Road
Flint, MI 48504
810.397.0219

Please let me know if you need anything else from me.

Stacie
313.456.4994 (office)
claytons3@michigan.gov

From: Bob Richardson Jr [redacted]
Sent: Tuesday, July 28, 2015 4:17 PM
To: Akemann, Jamie
Cc: Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen Hardy; Bob Richardson Jr
Subject: RE: Meijer
Importance: High

Jamie

Looks like we can support. Alyssa will coordinate with logistics on product.

Thanks much for all Meijer does to support our categories

Bob Richardson
Director Of Sales, Customer and Industry Development
Bus:972-871-6721 Cell: [redacted]

From: Akemann, Jamie [redacted]
Sent: Tuesday, July 28, 2015 1:05 PM
To: Bob Richardson Jr
Cc: Mears, Scott
Subject: Meijer

Bob,

I hope all is well for you and I look forward to seeing you this fall at our vendor summit.

Meijer needs some help supporting the Flint Michigan community and was hoping Clorox can jump in.

They are having some issues with water quality and are looking for a donation of 1500 water filters for drinking water.

Would Clorox consider donating as a silent partner with Meijer?

Please let me know as we want to support the community.

Best Regards,

Jamie

The product ID for a Brita Filter for kitchen faucets is:
> Product ID 3176421
> UPC 7-23987-0078

meijer
Jamie Akemann
Vice President Hardlines
2350 3 Mile Road NW l Grand Rapids, MI 49544
P: (616) 791-3082 C: [redacted]
[redacted]

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From: Clayton, Stacie (GOV)
Sent: Friday, July 31, 2015 9:55 AM
To: Akemann, Jamie
Cc: Bob Richardson Jr; Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV); Behler, Stacie
Subject: Re: Meijer

Good Morning All,

Thank you, again.

Is it possible to delay the shipment of the filters until next Tuesday, August 4?

I was just informed they are creating a distribution plan in Flint so the filters can be given to the community when received. This will alleviate the church having to store the filters.

I apologize for not communicating this sooner. Please let me know if the delay is possible.

Stacie Clayton
Sent from my iPhone

On Jul 31, 2015, at 7:40 AM, Akemann, Jamie <Jamie.Akemann@meijer.com> wrote:

> Good morning,
>
> Below is the address for delivery of the water filters. Please copy Stacie Clayton when they are shipped with a tracking number. She will ensure someone is at the church the day of delivery.
>
> Thanks for the support!
>
> ***Deliver to:***
>
> **Pastor Allen Overton**
> **Mt. Carmel Baptist Church**
> **1610 West Pierson Road**
> **Flint, MI 48504**
> **810.397.0219**
>
> Please let me know if you need anything else from me.
>
> ***Stacie***
> 313.456.4994 (office)
> claytons3@michigan.gov

From: Bob Richardson Jr [mailto:bob.richardson@clorox.com]
Sent: Tuesday, July 28, 2015 4:17 PM
To: Akemann, Jamie
Cc: Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen Hardy; Bob Richardson Jr

Subject: RE: Meijer
Importance: High

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Looks like we can support. Alyssa will coordinate with logistics on product.

Thanks much for all Meijer does to support our categories

Bob Richardson
Director Of Sales, Customer and Industry Development
Bus:972-871-6721 Cell: [redacted]

From: Akemann, Jamie [mailto:Jamie.Akemann@meijer.com]
Sent: Tuesday, July 28, 2015 1:05 PM
To: Bob Richardson Jr
Cc: Mears, Scott
Subject: Meijer

Bob,

I hope all is well for you and I look forward to seeing you this fall at our vendor summit.

Meijer needs some help supporting the Flint Michigan community and was hoping Clorox can jump in.

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Would Clorox consider donating as a silent partner with Meijer?

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> Product ID 3176421
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<image001.png>
Jamie Akemann
Vice President Hardlines
2350 3 Mile Road NW l Grand Rapids, MI 49544
P: (616) 791-3082 C: [redacted]
Jamie.Akemann@meijer.com

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From: Bob Richardson Jr [redacted]
Sent: Friday, July 31, 2015 9:56 AM
To: Clayton, Stacie (GOV); Akemann, Jamie
Cc: Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV); Behler, Stacie
Subject: RE: Meijer

Mary Anne, Alyssa

Can we delay shipment ?

Thanks

Bob Richardson
Director Of Sales, Customer and Industry Development
Bus:972-871-6721 Cell: [redacted]

-----Original Message-----
From: Clayton, Stacie (GOV) [mailto:claytons3@michigan.gov]
Sent: Friday, July 31, 2015 8:55 AM
To: Akemann, Jamie
Cc: Bob Richardson Jr; Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV); Behler, Stacie
Subject: Re: Meijer

Good Morning All,

Thank you, again.

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I was just informed they are creating a distribution plan in Flint so the filters can be given to the community when received. This will alleviate the church having to store the filters.

I apologize for not communicating this sooner. Please let me know if the delay is possible.

Stacie Clayton
Sent from my iPhone

On Jul 31, 2015, at 7:40 AM, Akemann, Jamie [redacted] wrote:

Good morning,

Below is the address for delivery of the water filters. Please copy Stacie Clayton when they are shipped with a tracking number. She will ensure someone is at the church the day of delivery.

Thanks for the support!

Deliver to:

Pastor Allen Overton
Mt. Carmel Baptist Church
1610 West Pierson Road
Flint, MI 48504
[redacted]

Please let me know if you need anything else from me.

Stacie
313.456.4994 (office)
claytons3@michigan.gov<mailto:claytons3@michigan.gov>

From: Bob Richardson Jr [redacted]
Sent: Tuesday, July 28, 2015 4:17 PM
To: Akemann, Jamie
Cc: Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen Hardy; Bob Richardson Jr
Subject: RE: Meijer
Importance: High

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Looks like we can support. Alyssa will coordinate with logistics on product.

Thanks much for all Meijer does to support our categories

Bob Richardson
Director Of Sales, Customer and Industry Development
Bus:972-871-6721 Cell: [redacted]

From: Akemann, Jamie [redacted]
Sent: Tuesday, July 28, 2015 1:03 PM
To: Bob Richardson Jr
Cc: Mears, Scott
Subject: Meijer

Bob,

I hope all is well for you and I look forward to seeing you this fall at our vendor summit.

Meijer needs some help supporting the Flint Michigan community and was hoping Clorox can jump in.

They are having some issues with water quality and are looking for a donation of 1500 water filters for drinking water.

Would Clorox consider donating as a silent partner with Meijer?

Please let me know as we want to support the community.

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The product ID for a Brita Filter for kitchen faucets is:

> Product ID 3176421

> UPC 7-23987-0078

<image001.png>
Jamie Akemann
Vice President Hardlines
2350 3 Mile Road NW l Grand Rapids, MI 49544
P: (616) 791-3082 C: [redacted]

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From: Mary.Anne Hogan Johnson [redacted]
Sent: Friday, July 31, 2015 11:21 AM
To: Clayton, Stacie (GOV); Akemann, Jamie
Cc: Bob Richardson Jr; Mears, Scott; Alyssa Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV); Behler, Stacie
Subject: RE: Meijer

Hello Stacie,
We will order the product today for delivery after Tuesday. We will let you know the exact date and the tracking information when available.
Thank you.

-----Original Message-----
From: Clayton, Stacie (GOV) [mailto:claytons3@michigan.gov]
Sent: Friday, July 31, 2015 9:55 AM
To: Akemann, Jamie
Cc: Bob Richardson Jr; Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV); Behler, Stacie
Subject: Re: Meijer

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I apologize for not communicating this sooner. Please let me know if the delay is possible.

Stacie Clayton
Sent from my iPhone

On Jul 31, 2015, at 7:40 AM, Akemann, Jamie [redacted] wrote:

Good morning,

Below is the address for delivery of the water filters. Please copy Stacie Clayton when they are shipped with a tracking number. She will ensure someone is at the church the day of delivery.

Thanks for the support!

Deliver to:

Pastor Allen Overton
Mt. Carmel Baptist Church

1610 West Pierson Road
Flint, MI 48504
[redacted]

Please let me know if you need anything else from me.

Stacie
313.456.4994 (office)
claytons3@michigan.gov<mailto:claytons3@michigan.gov>

From: Bob Richardson Jr [redacted]
Sent: Tuesday, July 28, 2015 4:17 PM
To: Akemann, Jamie
Cc: Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen Hardy; Bob Richardson Jr
Subject: RE: Meijer
Importance: High

Jamie

Looks like we can support. Alyssa will coordinate with logistics on product.

Thanks much for all Meijer does to support our categories

Bob Richardson
Director Of Sales, Customer and Industry Development
Bus:972-871-6721 Cell: [redacted]

From: Akemann, Jamie [redacted]
Sent: Tuesday, July 28, 2015 1:05 PM
To: Bob Richardson Jr
Cc: Mears, Scott
Subject: Meijer

Bob,

I hope all is well for you and I look forward to seeing you this fall at our vendor summit.

Meijer needs some help supporting the Flint Michigan community and was hoping Clorox can jump in.

They are having some issues with water quality and are looking for a donation of 1500 water filters for drinking water.

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Please let me know as we want to support the community.

Best Regards,

Jamie

The product ID for a Brita Filter for kitchen faucets is:

> Product ID 3176421

> UPC 7-23987-0078

<image001.png>
Jamie Akemann
Vice President Hardlines
2350 3 Mile Road NW l Grand Rapids, MI 49544
P: (616) 791-3082 C: [redacted]

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From: Clayton, Stacie (GOV)
Sent: Friday, July 31, 2015 11:36 AM
To: Mary.Anne Hogan Johnson
Cc: Akemann, Jamie; Bob Richardson Jr; Mears, Scott; Alyssa Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV); Behler, Stacie
Subject: Re: Meijer

Thank you so much. Have a wonderful weekend!

Stacie Clayton
Sent from my iPhone

> On Jul 31, 2015, at 11:21 AM, Mary.Anne Hogan Johnson <mary.anne.hogan.johnson@clorox.com> wrote:
>
> Hello Stacie,
> We will order the product today for delivery after Tuesday. We will let you know the exact date and the tracking information when available.
> Thank you.
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> From: Clayton, Stacie (GOV) [mailto:claytons3@michigan.gov]
> Sent: Friday, July 31, 2015 9:55 AM
> To: Akemann, Jamie
> Cc: Bob Richardson Jr; Mears, Scott; Mary.Anne Hogan Johnson; Alyssa
> Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV);
> Behler, Stacie
> Subject: Re: Meijer
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> Good Morning All,
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> Thank you, again.
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> Is it possible to delay the shipment of the filters until next Tuesday, August 4?
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> I apologize for not communicating this sooner. Please let me know if the delay is possible.
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> Deliver to:
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> Pastor Allen Overton
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> Flint, MI 48504
> 810.397.0219
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> Please let me know if you need anything else from me.
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> Stacie
> 313.456.4994 (office)
> claytons3@michigan.gov<mailto:claytons3@michigan.gov>
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> From: Bob Richardson Jr [mailto:bob.richardson@clorox.com]
> Sent: Tuesday, July 28, 2015 4:17 PM
> To: Akemann, Jamie
> Cc: Mears, Scott; Mary.Anne Hogan Johnson; Alyssa Wisenor; Stephen
> Hardy; Bob Richardson Jr
> Subject: RE: Meijer
> Importance: High
>
> Jamie
>
> Looks like we can support. Alyssa will coordinate with logistics on product.
>
> Thanks much for all Meijer does to support our categories
>
> Bob Richardson
> Director Of Sales, Customer and Industry Development
> Bus:972-871-6721 Cell: [redacted]
>
> From: Akemann, Jamie [mailto:Jamie.Akemann@meijer.com]
> Sent: Tuesday, July 28, 2015 1:05 PM
> To: Bob Richardson Jr
> Cc: Mears, Scott
> Subject: Meijer
>
> Bob,
>
> I hope all is well for you and I look forward to seeing you this fall at our vendor summit.
>
> Meijer needs some help supporting the Flint Michigan community and was hoping Clorox can jump in.
>
> They are having some issues with water quality and are looking for a donation of 1500 water filters for drinking water.
>
> Would Clorox consider donating as a silent partner with Meijer?
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> Please let me know as we want to support the community.
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> Best Regards,
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>
>> Product ID 3176421
>
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>
>
> <image001.png>
> Jamie Akemann
> Vice President Hardlines
> 2350 3 Mile Road NW l Grand Rapids, MI 49544
> P: (616) 791-3082 C: [redacted]
> Jamie.Akemann@meijer.com<mailto:Jamie.Akemann@meijer.com>
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From: Bob Richardson Jr [redacted]
Sent: Friday, July 31, 2015 11:45 AM
To: Clayton, Stacie (GOV); Mary.Anne Hogan Johnson
Cc: Akemann, Jamie; Mears, Scott; Alyssa Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV); Behler, Stacie
Subject: RE: Meijer

Mary Anne

Thanks for making this happen

Bob Richardson
Director Of Sales, Customer and Industry Development
Bus:972-871-6721 Cell: [redacted]

-----Original Message-----
From: Clayton, Stacie (GOV) [mailto:claytons3@michigan.gov]
Sent: Friday, July 31, 2015 10:36 AM
To: Mary.Anne Hogan Johnson
Cc: Akemann, Jamie; Bob Richardson Jr; Mears, Scott; Alyssa Wisenor; Stephen Hardy; Rolland, Heather; Hollins, Harvey (GOV); Behler, Stacie
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Sent from my iPhone

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> Bus:972-871-6721 Cell: [redacted]
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> Jamie Akemann
> Vice President Hardlines
> 2350 3 Mile Road NW l Grand Rapids, MI 49544
> P: (616) 791-3082 C: [redacted]
[redacted]
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From: Clayton, Stacie (GOV)
Sent: Monday, August 03, 2015 4:43 PM
To: revaco@comcast.net
Cc: Hollins, Harvey (GOV)
Subject: Flint Water Filter Distribution Plan

Rev. Overton,

This email is a follow up to our conversation regarding the distribution plan for the donated water filters. I'm typing this since you were driving and had to tell me verbally. Please let me know if I missed anything.

1500 filters are being donated

- ✓ 500 will be distributed at Mt. Carmel church on the North End
- ✓ 500 will be distributed at Woodside Church on the East End
- ✓ 500 will be distributed on the South End (you are awaiting confirmation on the location)

Communication about distribution of the water filters

- ✓ Faith-based Newspaper
- ✓ Radio
- ✓ Talk Shows
- ✓ Ch. 12 News

Qualifications to receive a filter

- ✓ Must be a Flint resident (verified by driver's license)
- ✓ Distributions at all sites will be monitored to ensure there is only per household

Potential Issues

- ✓ Concerned Pastors group would like filters to go only to low income families
- ✓ Coalition for Clean Water believes anyone should be able to get the filters since everyone drinks the same water no matter income
- ✓ The Coalition believes 1500 is not nearly an adequate number to address the problem
- ✓ The Pastors want to work with what they have right now and address getting more later
- ✓ Pastor Overton wants to ensure this disagreement on the number does not become the focal point of Tuesday's meeting
- ✓ Contamination levels still need to be addressed

From: Muchmore, Dennis (GOV)
Sent: Wednesday, August 05, 2015 9:04 AM
To: Hollins, Harvey (GOV)
Cc: Clayton, Stacie (GOV)
Subject: RE: '20150804_Meeting with Flint's Clean Water Coalition'

I didn't think that meeting was as useful as others. If people won't accept the factual information, I'm not sure there is much we can do about it. They're getting their own filters, we've installed six at the main and I thought there were six more coming. As for the flushing, that's part of any city's water system, and people in every community pay for it. As to the frequency, there must be a plan to reduce the number of times.

Questions:
Why does KWA only produce 18 million gals? Doesn't make sense to have a system that doesn't produce enough water. Where do they expect to get the other from? Especially since GM doesn't want the Flint river water (even though presumably GM has been both the biggest commercial user and disposer), how do they separate out the flow?

We can't do too many more of these. The three activists in the room just want to be right, they don't want answers. No matter what we say they'll always want something else to be the answer. The Pastors and the woman form yesterday who usually sits across from me and who always lectures us (that's just a reminder of some of the old time negative racial experiences she's had and I get it) are really a strong group of people. Usually there is a black woman who comes with them, but I missed her yesterday. I really her and of course, Overton and Hill are pretty impressive people in their own right.

From: Hollins, Harvey (GOV)
Sent: Wednesday, August 5, 2015 8:32 AM
To: Muchmore, Dennis (GOV)
Cc: Clayton, Stacie (GOV)
Subject: '20150804_Meeting with Flint's Clean Water Coalition'

From: Akemann, Jamie [redacted]
Sent: Tuesday, August 18, 2015 2:45 PM
To: Clayton, Stacie (GOV)
Cc: Mary.Anne Hogan Johnson; [redacted]; Hollins, Harvey (GOV)
Subject: Re: Brita Water Filters for Flint

Bob,

Not sure how this broke down but can Clorox helps us get the correct product? I will check original email but certain it contained model requested.

Please let us know.

Thanks,

On Aug 18, 2015, at 2:02 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Greetings All,
>
> Again, thank you, for your assistance in securing and shipping the Brita filters to Flint. Unfortunately, it seems the wrong product was sent. The first picture on this email is from Mark Murray and this is the product (1 white faucet and 1 filter) he and Harvey discussed. The second picture is the product that was shipped to Flint.
>
> Below is the information for the product that should have been shipped. We apologize if there was any error on our end. Please let me know if there is a way to have the correct product shipped and the other product returned (only 1 box was opened). The community is hoping to distribute the faucet filters on August 27.
>
> ***The product ID for a Brita Filter for kitchen faucets is:***
>
> ***Product ID 3176421***
>
> ***UPC 7-23987-0078***
>
> Thank you,
> ***Stacie***
>
> Stacie Clayton, Assistant Director
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
> 3044 West Grand Boulevard, Ste. 14-650
> Detroit, MI 48202
> 313.456.4994 (office)
> claytons3@michigan.gov

<IMG_0677.jpg>

<IMG_2674.jpg>

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From: Mary.Anne Hogan Johnson <[redacted]
Sent: Wednesday, August 19, 2015 2:15 PM
To: Clayton, Stacie (GOV)
Cc: Hollins, Harvey (GOV); Bob Richardson Jr; 'Akemann, Jamie'
Subject: RE: Brita Water Filters for Flint - shipment update

Hello Stacie,
Good news! Clorox is shipping 1,500 Faucet Mount Systems to the church. I've requested that they be delivered before August 25th. I'll send tracking information as soon as I receive it.
We are investigating options for the original shipment of pitcher filters that were sent in error. I'll advise within the next day or two.
Let me know if we can help in any other way.

Mary Anne Johnson
Clorox
330-256-6367

From: Clayton, Stacie (GOV) [mailto:claytons3@michigan.gov]
Sent: Tuesday, August 18, 2015 2:03 PM
To: Mary.Anne Hogan Johnson; Bob Richardson Jr; 'Akemann, Jamie'
Cc: Hollins, Harvey (GOV)
Subject: Brita Water Filters for Flint

Greetings All,

Again, thank you, for your assistance in securing and shipping the Brita filters to Flint. Unfortunately, it seems the wrong product was sent. The first picture on this email is from Mark Murray and this is the product (1 white faucet and 1 filter) he and Harvey discussed. The second picture is the product that was shipped to Flint.

Below is the information for the product that should have been shipped. We apologize if there was any error on our end. Please let me know if there is a way to have the correct product shipped and the other product returned (only 1 box was opened). The community is hoping to distribute the faucet filters on August 27.

The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you,
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

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From: Bob Richardson Jr [redacted]
Sent: Wednesday, August 19, 2015 2:20 PM
To: Mary.Anne Hogan Johnson; Clayton, Stacie (GOV)
Cc: Hollins, Harvey (GOV); 'Akemann, Jamie'; Stephen Hardy
Subject: RE: Brita Water Filters for Flint - shipment update

Importance: High

Mary Anne thanks much for coordinating this effort to support these consumers.

Jamie thanks for reaching out to Brita to help.

Bob Richardson
Director Of Sales, Customer and Industry Development
Bus:972-873-6721 Cell: [redacted]

From: Mary.Anne Hogan Johnson
Sent: Wednesday, August 19, 2015 1:15 PM
To: Clayton, Stacie (GOV)
Cc: Hollins, Harvey (GOV); Bob Richardson Jr; 'Akemann, Jamie'
Subject: RE: Brita Water Filters for Flint - shipment update

Hello Stacie,
Good news! Clorox is shipping 1,500 Faucet Mount Systems to the church. I've requested that they be delivered before August 25th. I'll send tracking information as soon as I receive it.
We are investigating options for the original shipment of pitcher filters that were sent in error. I'll advise within the next day or two.
Let me know if we can help in any other way.

Mary Anne Johnson
Clorox
[redacted]

From: Clayton, Stacie (GOV) [mailto:claytons3@michigan.gov]
Sent: Tuesday, August 18, 2015 2:03 PM
To: Mary.Anne Hogan Johnson; Bob Richardson Jr; 'Akemann, Jamie'
Cc: Hollins, Harvey (GOV)
Subject: Brita Water Filters for Flint

Greetings All,

Again, thank you, for your assistance in securing and shipping the Brita filters to Flint. Unfortunately, it seems the wrong product was sent. The first picture on this email is from Mark Murray and this is the product (1 white faucet and 1 filter) he and Harvey discussed. The second picture is the product that was shipped to Flint.

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The product ID for a Brita Filter for kitchen faucets is:

Product ID 3176421

UPC 7-23987-0078

Thank you,
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

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From: Clayton, Stacie (GOV)
Sent: Wednesday, August 19, 2015 2:22 PM
To: 'Mary.Anne Hogan Johnson'
Cc: Hollins, Harvey (GOV); Bob Richardson Jr; 'Akemann, Jamie'
Subject: RE: Brita Water Filters for Flint - shipment update

Thank You Everyone! This is absolutely awesome. I'll stand by for tracking information and return instructions. Have a wonderful weekend!

Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

From: Mary.Anne Hogan Johnson [redacted]
Sent: Wednesday, August 19, 2015 2:15 PM
To: Clayton, Stacie (GOV) <claytons3@michigan.gov>
Cc: Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Bob Richardson Jr [redacted]; 'Akemann, Jamie' [redacted]
Subject: RE: Brita Water Filters for Flint - shipment update

Hello Stacie,
Good news! Clorox is shipping 1,500 Faucet Mount Systems to the church. I've requested that they be delivered before August 25th. I'll send tracking information as soon as I receive it.
We are investigating options for the original shipment of pitcher filters that were sent in error. I'll advise within the next day or two.
Let me know if we can help in any other way.

Mary Anne Johnson
Clorox
[redacted]

From: Clayton, Stacie (GOV) [mailto:claytons3@michigan.gov]
Sent: Tuesday, August 18, 2015 2:03 PM
To: Mary.Anne Hogan Johnson; Bob Richardson Jr; 'Akemann, Jamie'
Cc: Hollins, Harvey (GOV)
Subject: Brita Water Filters for Flint

Greetings All,

Again, thank you, for your assistance in securing and shipping the Brita filters to Flint. Unfortunately, it seems the wrong product was sent. The first picture on this email is from Mark Murray and this is the product (1 white faucet and 1 filter) he and Harvey discussed. The second picture is the product that was shipped to Flint.

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Product ID 3176421

UPC 7-23987-0078

Thank you,
Stacie

Stacie Clayton, Assistant Director
Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)
claytons3@michigan.gov

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From: Mary.Anne Hogan Johnson [redacted]
Sent: Thursday, September 03, 2015 12:59 PM
To: Hollins, Harvey (GOV)
Cc: Clayton, Stacie (GOV)
Subject: RE: Filters for Flint

Harvey,
Happy to help and I'm glad that the event went well. It was nice working with your team.

Mary Anne Hogan Johnson
Meijer Team Leader
Clorox

From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
Sent: Wednesday, September 02, 2015 3:41 PM
To: [redacted] 'Behler, Stacie' [redacted]; [redacted] Bob Richardson Jr; Mary.Anne Hogan Johnson
Cc: Clayton, Stacie (GOV)
Subject: Filters for Flint

All,

On behalf of the Governor's Office, please accept this email as a thank you to Meijer and Clorox for the donation of 1500 kitchen water filters for Flint residents. I am aware you do not want any publicity or credit for the donation, but it is important for you to know the added comfort these filters will provide to the recipients as the water issue is resolved.

The Flint Concerned Pastors organization held an event yesterday to give away the filters. Residents were invited to come to a central location to pick up their filter. The Concerned Pastors targeted low income Flint residents and more than 1500 households showed up. They exhausted the donated supply in 4 hours with 200 people still waiting to get a filter.

Again, we appreciate Meijer and Clorox for being good corporate citizens. I wish all of you a Happy and Safe Labor Day Weekend.

Best,
Harvey

Harvey Hollins III, Director
Governor's Office of Urban Initiatives
3044 West Grand Boulevard, Ste. 14-650
Detroit, MI 48202
313.456.4994 (office)

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From: Rep. Sheldon Neeley (District 34) <SheldonNeeley@house.mi.gov>
Sent: Tuesday, September 22, 2015 6:18 PM
To: Hollins, Harvey (GOV)
Subject: Executive Consideration
Attachments: Neeley Letter to the Governor 01-29-15.pdf

My apologies. You now have the correct attachment.

I am sending this email to renew my request for assistance from the Governor's Office.

As we engage these challenges, Flint must revisit the present water revolving loan plans to determine how these current funding obligations will affect water delivery and asset development for the future. It is clear that no significant improvements can be obtained without some supportive concessions. Therefore, I am requesting on behalf of the 34th district (Flint) for you to consider an Executive decision to forgive (in-total or part) Flint's water fund loan balances of $20,770,336.00 so that we may effectively apply those funds to rebuilding the City's infrastructure, to competitively obtaining highly qualified personnel and provide a more cost effective water delivery system. Hence, I know there has been many request made of your office to resolve this very serious issue but this approach will best safeguard the health and welfare of the residents of Flint as well as minimize the potential for litigation against the City of Flint and/or the State of Michigan.

Please see a previous request letter for assistance attached to this communication.

Thank you

34TH DISTRICT
STATE CAPITOL
P.O. BOX 30014
LANSING, MI 48909-7514
PHONE: (517) 373-8808
FAX: (517) 373-5897
E-MAIL: sheldonneeley@house.mi.gov

MICHIGAN HOUSE OF REPRESENTATIVES

SHELDON A. NEELEY

STATE REPRESENTATIVE

January 29, 2015

Honorable Rick Snyder, Governor
State of Michigan

Dear Gov. Snyder,

With the dawn of a new beginning in our state, the city of Flint stands on the precipice of civil unrest. This letter comes as an appeal to your office concerning this proud Michigan community and recent discussions pertaining to Flint's water distribution and management strategies for both present and future operations. Flint has had a long history concerning the implementation of water practices and financial management of its water assets. Our present journey has caused us to take a closer look at our 80-year-old infrastructure and examine a difficult position where we must correct some past and even present challenges, one of which is affecting the people of my community to the point of a fervor over something as simple as drinking clean water.

As we engage these challenges, Flint must revisit the present water revolving loan plans to determine how these current funding obligations will affect water delivery and asset development for the future. It is clear that no significant improvements can be obtained without some supportive concessions. Therefore, I am requesting on behalf of the 34th District, which contains a portion of the city of Flint, for you to consider an executive decision to forgive (in-total or part) Flint's water fund loan balances of $20,770,336 so that we may effectively apply those funds to rebuilding the city's infrastructure, to competitively obtain highly qualified personnel and provide a more cost effective water delivery system. I understand there has been many requests made of your office to resolve this very serious issue, but this approach will best safeguard the health and welfare of the residents of Flint as well as minimize the potential for litigation against the city of Flint and/or the state of Michigan.

With a cost-effective water delivery system, we will be able to improve our system in the following ways: upgrade wastewater treatment processes, improve safe drinking water upgrades, and maintain and sustain a water system that provides a better quality of water product to the citizens of Flint.

Recycled Paper

It is imperative that this issue be addressed in some way on the state level. Residents of Flint are already finding themselves forced to take drastic measures simply to have clean drinking water.

Community health could be on the decline as citizens become afraid to even shower or bathe in their homes. The people of Flint bring bottles of brown water full of sediment and other foreign substances to community meetings, asking only to be treated as human beings. That is all I am asking of you - to see the suffering and anger from the people in one of Michigan's municipalities and understand that there is a need to react and respond to this crisis.

With the beginning of a new year to work toward a better Michigan, my office is ready to have discussions on this request and other planning that works to improve OUR Michigan. I sincerely thank you in advance for your consideration on this matter.

For the Love of the Community,

Sheldon A. Neeley, State Representative
34th District

CC: Dennis Muchmore
Dick Posthumus

From: Murray, David (GOV)
Sent: Thursday, September 24, 2015 11:37 AM
To: Hollins, Harvey (GOV); Wurfel, Sara (GOV)
Cc: Clayton, Stacie (GOV); Muchmore, Dennis (GOV)
Subject: RE: New ACLU video gets tough with Flint officials over lead levels | Blogs | Detroit Metro Times

Harvey,

We're hearing from MLive that Hurley Hospital has called a 3 p.m. press conference to discuss the lead levels in blood collected from children. I'm working to get the report from Hurley ASAP. Working with Geralyn on a response.

Dave

-----Original Message-----
From: Hollins, Harvey (GOV)
Sent: Thursday, September 24, 2015 11:36 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>
Cc: Clayton, Stacie (GOV) <claytons3@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>; Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Re: New ACLU video gets tough with Flint officials over lead levels | Blogs | Detroit Metro Times

Sarah--per our discussion yesterday, what is the status of announcing the DEQ action to address the water quality in Flint?

-HH

> On Sep 24, 2015, at 11:03 AM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
>
> http://m.metrotimes.com/Blogs/archives/2015/09/23/new-aclu-video-gets-tough-with-flint-officials-over-lead-levels
>
>
> Stacie Clayton
> Sent from my iPhone

From: Joice, Paul A <Paul.A.Joice@hud.gov>
Sent: Thursday, September 24, 2015 3:38 PM
To: Hollins, Harvey (GOV)
Subject: Flint water

Harvey,

It was nice running into you last week on the Metro in DC. I hope the CBC conference was productive. I'm glad we had the opportunity to discuss the challenges with Flint's water system. As you're probably aware, the situation has really deteriorated over the past couple weeks, even since we spoke. It's becoming more and more clear that there's a real lead problem in the City, even though the official City/MDEQ tests aren't yet showing lead levels that exceed the EPA standard. For example, researchers at Hurley Hospital are seeing dangerous lead levels in children they treat (http://www.mlive.com/news/flint/index.ssf/2015/09/study_shows_twice_as_many_flin.html#incart_river).

The City is planning to issue a health advisory, and the US Department of Agriculture will probably start providing pre-mixed formula to parents in the WIC program. There's also big push to buy filters using private donations. Those are both important short-term responses to mitigate the hazard for the most vulnerable.

But there's still the question of how to "fix" the problem. I have some thoughts I'd like to run by you, but it might be best to discuss by phone. Could you spare 15 minutes, sometime tomorrow (Friday)?

Thanks,
Paul

Paul Joice
Flint Team Lead, White House Strong Cities, Strong Communities Initiative
Office: (810) 766-7135, Ext 3005
Mobile: [redacted]
Paul.A.Joice@hud.gov

From: Brian Larkin [redacted]
Sent: Thursday, September 24, 2015 5:36 PM
To: Hollins, Harvey (GOV)
Subject: Flint Water Piece in MLIVE

http://www.mlive.com/opinion/flint/index.ssf/2015/09/abandon_flint_river_for_drinki.html#comments

The local editorial board, which has up to this point been in support of most of the steps, is calling out the Governor in response to Hurley Hospital's report indicating elevated levels of lead in babies and toddlers in Flint since the water switch.

From: Murray, David (GOV)
Sent: Tuesday, September 29, 2015 9:44 AM
To: Hollins, Harvey (GOV)
Subject: RE: Proposed Press Conference on Flint Drinking Water

Absolutely! I'll pull together some of the things we've been saying in the last few days and modify them.

From: Hollins, Harvey (GOV)
Sent: Tuesday, September 29, 2015 9:43 AM
To: Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: FW: Proposed Press Conference on Flint Drinking Water

David,
Could you think about what we need to say on behalf of the Governor at this press conference? I am interested in your thoughts.
Harvey

From: Muchmore, Dennis (GOV)
Sent: Monday, September 28, 2015 2:27 PM
To: Wyant, Dan (DEQ) <WyantD@michigan.gov>; Lyon, Nick (DCH) <LyonN2@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Lasher, Geralyn (DCH) <lasherg@michigan.gov>; Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: RE: Proposed Press Conference on Flint Drinking Water

Thank you, you're always ahead of us. I don't have any reservations about the PC, although as I mentioned I don't see any reason to have Mr. Sienko, as we have a top notch professional in Eden Wells and certainly Tim and Geralyn if need be.

From: Wyant, Dan (DEQ)
Sent: Monday, September 28, 2015 7:18 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Lyon, Nick (DCH) <LyonN2@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Lasher, Geralyn (DCH) <lasherg@michigan.gov>; Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: Proposed Press Conference on Flint Drinking Water

Per the ongoing issues in Flint concerning their drinking water, I would offer the following recommendations. Let's discuss.

Recommendation

Press Conference in Flint – Wednesday, Thursday or Friday.

Participants

Mayor of Flint

Dan Wyant – Michigan Department of Environmental Quality
Nick Lyon – Department of Community Health
Susan Hedman – Region 5 Administrator or EPA
Harvey Hollins – Governor's office
Local Public Health Department

Announcement

Federal – State – Local action plan to address Flint Drinking Water

1. Governor Snyder names Dr. Dean Sienko as Flint drinking water Public Health Advisor.

2. All Flint schools water will immediately be tested to ensure that drinking water is safe.

3. Advisories will be disseminated recommending citizens flush your cold water pipes, use only water from the cold water tap for drinking, cooking and especially for making baby formula.

4. Implementation of fully optimized corrosion controls in the Flint drinking water system.

5. Expanded water testing of at risk properties.

6. Offer water testing at no cost to Flint residents to assure water is safe.

7. Convene a safe drinking water " Technical Review Advisory" to ensure best technology, practices and science is being utilized, including EPA's expertise and assistance from their Office of Research and Development.

8. Offer bottled water and premixed formula if test results indicate high levels of lead.

9. Accelerate water system improvements to address replacement of lead service lines.

Dan Wyant, Director
Department of Environmental Quality
517-284-6700 (New Number)

From: Murray, David (GOV)
Sent: Tuesday, September 29, 2015 11:20 AM
To: Hollins, Harvey (GOV)
Subject: RE: Flint Channel 12

Yes. Surprised she did that. I did send statements to Channel 12 and Flint Journal.

Also started talking about the filter donations. Came up at the same meeting. Not mentioning the name of the corporate sponsors, but giving lots of love to the concerned pastors for helping with the effort. They should like that.

From: Hollins, Harvey (GOV)
Sent: Tuesday, September 29, 2015 11:18 AM
To: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Murray, David (GOV) <MurrayD1@michigan.gov>
Subject: Flint Channel 12

Are you aware of this? http://www.abc12.com/home/headlines/Flint-City-Administrator-supports-move-to-Detroit-water-says-state-needs-to-help-pay-329874281.html

From: Saxton, Thomas (Treasury)
Sent: Tuesday, September 29, 2015 11:43 AM
To: Hollins, Harvey (GOV)
Subject: FW: Flint River Water Quality

fyi

From: Koryzno, Edward (Treasury)
Sent: Tuesday, September 29, 2015 9:58 AM
To: Natasha Henderson (Nhenderson@cityofflint.com) <Nhenderson@cityofflint.com>
Cc: Saxton, Thomas (Treasury) <SaxtonT@michigan.gov>; Dempkowski, Angela (Treasury) <DempkowskiA@michigan.gov>
Subject: Flint River Water Quality

Natasha,

I am following up on yesterday's phone call with you.

Angela will contact you to set up a conference call for tomorrow afternoon. Because Wayne is out of town Tom Saxton will participate in the discussion regarding your request. Tom and I would request you, Peter Bade and Howard Croft be on the call.

We have a number of follow-up questions: What is the basis for the estimated $18M cost to temporarily reconnect to the Great Lakes Water Authority? What is the timeline? Why didn't Viola advise the City about the potential for elevated lead levels when using Flint river water? What assurances do you have indicating a temporary reconnection to the Water Authority resolves the elevated lead problem or other system problems? Who are the assurances from? Did the Viola report recommend using Ortho Phosphates to treat the water?

Ed

Edward B. Koryzno, Jr. | Director - Bureau of Local Government Services
State of Michigan | 430 W. Allegan Street, 3rd Floor | Lansing, MI 48922
(517) 373-4415 | (517) 373-0633 (fax)
KoryznoE@michigan.gov

Think Green! Don't print this e-mail unless you need to.

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Thank you

From: Brown, Frank <[redacted]
Sent: Wednesday, September 30, 2015 3:53 PM
To: Baird, Richard (GOV); Hollins, Harvey (GOV)
Cc: [redacted]
Subject: Fwd: Flint water background information

Hi all. Figure I will just connect everyone and let you figure out from here. Hope this can result in some help. All the best.

Frank

Sent from my iPad

Begin forwarded message:

From: <[redacted]
Date: September 30, 2015 at 6:00:47 PM GMT+1
To: <[redacted]
Cc[redacted]
Subject: Flint water background information

Frank,

Received your email from Craig. We would be glad to help.

Can you provide any additional information on filter sizes needed in the area and quantity you might be looking for?

We are also going to look to donate bottled water if that makes sense?

Aaron Bonham
Home Depot
Merchandise Vice President
Department 26 Plumbing
[redacted]
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From: [redacted]
Sent: Wednesday, September 30, 2015 4:06 PM
To: [redacted]; Baird, Richard (GOV); Hollins, Harvey (GOV)
Cc: [redacted]
Subject: RE: Flint water background information

Richard,

Let me know when a good time would be to connect for us to discuss how The Home Depot can support the needs in Flint.

My cell # is 404-579-1805

Aaron Bonham
Home Depot
Merchandise Vice President
Department 26 Plumbing
770-384-3947
[redacted]
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-----Original Message-----
From: Brown, Frank [mailto:[redacted]
Sent: Wednesday, September 30, 2015 3:53 PM
To: Richard Baird; hollinsh@michigan.gov
Cc: Bonham, Aaron S; Tank, Stacey M
Subject: Fwd: Flint water background information

Hi all. Figure I will just connect everyone and let you figure out from here. Hope this can result in some help. All the best.

Frank

Sent from my iPad

Begin forwarded message:

From: [redacted]
Date: September 30, 2015 at 6:00:47 PM GMT+1
To: [redacted]
Cc:
Subject: Flint water background information

Frank,

Received your email from Craig. We would be glad to help.

Can you provide any additional information on filter sizes needed in the area and quantity you might be looking for?

We are also going to look to donate bottled water if that makes sense?

Aaron Bonham
Home Depot
Merchandise Vice President
Department 26 Plumbing
[redacted]
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From: Hertel, Elizabeth (DHHS)
Sent: Thursday, October 01, 2015 2:40 PM
To: Hollins, Harvey (GOV)
Subject: Fwd: Update at Genesee County Community Action Resource Department

Sent from my iPad

Begin forwarded message:

From: "Schoenow, Kris (DHHS)" <SchoenowK@michigan.gov>
Date: October 1, 2015 at 12:29:48 PM EDT
To: "Minicuci, Angela (DHHS)" <MinicuciA@michigan.gov>, "Lasher, Geralyn (DHHS)" <lasherg@michigan.gov>, "Hertel, Elizabeth (DHHS)" <HertelE@michigan.gov>
Cc: "Kaiser Van Dam, Paula (DHHS)" <KaiserP@michigan.gov>
Subject: Update at Genesee County Community Action Resource Department

Dear Geralyn, Angela, and Elizabeth,

After the meeting, I called Matt Purcell from the Genesee County Community Action Resource Department (GCCARD). They work directly with low-income individuals and families. GCCARD provides a variety of services including food, weatherization, shelter, clothing assistance, rental assistance, utility assistance, tax prep, and education.

GCCARD is located at the following address:

601 N. Saginaw Street
Suite 1B
Flint, MI 48502

Summary of Conversation:
GCCARD has not taken any action at this point. Leaders in GCCARD are discussing the issue. Efforts on the ground seem to be disjointed. Some local agencies are offering water bottles to people. There is an apparent lack of leadership. GCCARD is ready to help out but needs leadership, guidance, direction, and information. They may be able to redirect some CSBG funds to help out, none have been allocated at this time.

Thanks,
Kris

Kris Schoenow
Executive Director
Bureau of Community Action and Economic Opportunity
Michigan Department of Health and Human Services
235 Grand Avenue
Suite 202

PO Box 30037
Lansing, MI 48909

517-241-4871
[redacted]
schoenowk@michigan.gov

From: Lasher, Geralyn (DHHS)
Sent: Monday, October 05, 2015 7:08 AM
To: Hollins, Harvey (GOV); Clayton, Stacie (GOV)
Subject: Fwd: Flint Water Filter Discussion

Harvey--just wanted to let you know that we are pulling together some of our partners in filter distribution this morning in Flint at 8:30 before we head to the United Way meeting at 10.

Details below if you are already planning on being in Flint.

Sent from my iPhone

Begin forwarded message:

From: "Hertel, Elizabeth (DHHS)" <HertelE@michigan.gov>
Date: October 4, 2015 at 10:24:22 AM EDT
To: "Thelen, Richard (DHHS)" <ThelenR4@michigan.gov>, "Thompson, Sheryl D. (DHHS)" <ThompsonS2@michigan.gov>, "kataskya@michigan.gov" <kataskya@michigan.gov>, "mvalacak@gchd.us" <mvalacak@gchd.us>, "kboles@valleyaaa.org" <kboles@valleyaaa.org>, "Schoenow, Kris (DHHS)" <SchoenowK@michigan.gov>
Cc: "Moran, Susan (DHHS)" <MoranS@michigan.gov>, "Scott, Jackie (DHHS)" <ScottJ14@michigan.gov>, "Lasher, Geralyn (DHHS)" <lasherg@michigan.gov>
Subject: Flint Water Filter Discussion

> As you may be aware, the Department of Health and Human Services has secured funding to purchase water filters for residents of Flint who are currently connected to the Flint City Water System, supplied by the Flint River. The GCCARD will be receiving an initial shipment of filters for distribution Monday. I would like to convene a meeting Monday morning to discuss the logistics of distributing these filters, as well as a system for tracking. Given your position in the community and relationship with DHHS, it would be extremely helpful if you could attend this meeting so we can get direction on this distribution. We will be meeting at 8:30 at 4809 Clio Road. I will be attending the meeting convened by the United Way at 10:00, and would like to share our plan at that time. Please feel free to contact me on my cell phone, [redacted] for more information.

Thank you,
Elizabeth Hertel
MDHHS

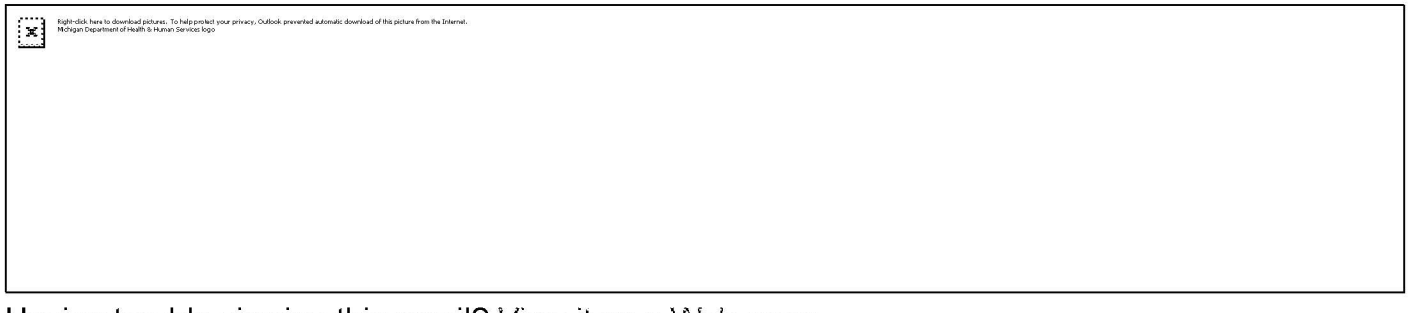
Sent from my iPad

From: Lasher, Geralyn (DHHS)
Sent: Wednesday, October 07, 2015 1:58 PM
To: Hollins, Harvey (GOV)
Subject: Fwd: FOR IMMEDIATE RELEASE: State offering extended, weekend hours for water filter distribution at Lippincott GCCARD

Sent from my iPad

Begin forwarded message:

From: Michigan Department of Health and Human Services <MDHHS@govsubscriptions.michigan.gov>
Date: October 7, 2015 at 11:50:53 AM EDT
To: <lasherg@michigan.gov>
Subject: FOR IMMEDIATE RELEASE: State offering extended, weekend hours for water filter distribution at Lippincott GCCARD
Reply-To: <MDHHS@govsubscriptions.michigan.gov>



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Press Release

FOR IMMEDIATE RELEASE: October 7, 2015
CONTACT: Jennifer Eisner, (517) 241-2112

State offering extended, weekend hours for water filter distribution at Lippincott GCCARD

Nearly 5,000 NSF certified filters issued by MDHHS to Flint residents since Monday

LANSING, Mich. – Flint residents and Michigan Department of Health and Human Services clients with a city of Flint water bill will now be able to take advantage of extended hours this Thursday, Friday, and Saturday at the Genesee County Community Action Resource Department 2727 Lippincott location. Extended hours will be offered at the Lippincott facility only, and will run until 7 p.m. on Thursday and Friday, and from 10 a.m. to 2 p.m. on Saturday. The other three locations will

maintain 9 a.m. to 4 p.m. operating hours, Monday through Friday, for filter pick up.

Dr. Eden Wells, MDHHS chief medical executive, reemphasized that the Brita SAFF-100 filters being distributed by the department and GCCARD do meet the NSF/ANSI 53 standards for drinking water treatment units.

"The Brita faucet filtration system that we are distributing to residents are National Sanitation Foundation certified to reduce lead in drinking water," said Dr. Eden Wells. "When connected appropriately, these filters improve water quality by filtering out contaminates including lead, chlorine, benzene and other chemicals."

Since Monday when MDHHS announced that free water filters would be distributed at four Flint locations, the state and GCCARD have partnered to issue approximately 5,000 free NSF certified water filters to residents that are on the city of Flint water system. The distribution of filters is part of the administration's comprehensive approach to addressing water concerns in the area. These NSF certified water filters remove lead in the water administered through water taps in homes.

MDHHS clients and residents with a city of Flint water bill may take advantage of the extended hours at the Lippincott GCCARD. During the regular business hours, MDHHS clients are encouraged to visit either the 125 E. Union St. or 4809 Clio Road MDHHS office location; residents on Flint water who are not currently enrolled in MDHHS assistance programs should visit the GCCARD offices at 2727 Lippincott and 601 North Saginaw. Staff will be onsite at all four locations to distribute filters and assist residents who have questions about proper installation.

MDHHS clients in the city of Flint who are active recipients should bring valid identification and a copy of their water bill to their local MDHHS office. Flint residents who are not active MDHHS clients should bring identification and their city of Flint water bill to a GCCARD location.

MDHHS is urging all residents do their part to prevent elevated blood lead levels in children. For more information on prevention, visit www.michigan.gov/lead, or contact your local health department. For updates on Flint water and resources, visit www.michigan.gov/flintwater.

###

- Flint Extended Hours Press Release 10715.pdf

Right-click here to download pictures. To help protect your privacy, Outlook prevented automatic download of this picture from the Internet.
DHHS Foster

Become a foster parent through Michigan Department of Health & Human Services foster care program.

Questions? Contact Us

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From: Clayton, Stacie (GOV)
Sent: Wednesday, October 07, 2015 4:07 PM
To: Thelen, Mary Beth (DEQ)
Cc: Hollins, Harvey (GOV)
Subject: FW: Flint City Council KWA Vote

Mary Beth,

Harvey is still waiting on hearing back from the city to get the original resolution but here are the mlive pieces that covered it from March 2013 until July 2013. The meeting when the vote was held was March 25, 2013. Here is what we have so far. I'll forward the actual resolution as soon as we receive it.

Stacie

March 25th 2013 **Flint council supports buying water from Lake Huron through KWA**
http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_again_delay.html
The Flint City Council voted 7-1 to get 16 million gallons per day from the Karegnondi Water Authority.

7th Ward councilperson Dale Weighill was absent
3rd Ward councilperson Bryant Nolden opposed
The rest were in favor.

March 25th, 2013 **Flint City Council approves resolution to buy water from Karegnondi, state approval still needed**
http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_approves_re.html
Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the City. Another 2 million gallons per day would come from the Flint River and will be treated in Flint. DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant. Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

April 12th **State gives Flint OK to join Karegnondi Water Authority project, but Detroit gets to make final offer**

http://www.mlive.com/news/flint/index.ssf/2013/04/state_gives_flint_ok_t.html

The city of Flint has the state's blessing to join in construction of the planned Karegnondi Water Authority**pipeline project** once it reviews a final offer from the city of Detroit on Monday, April 15.

April 19th **Governor steps into water war; set to meet with Genesee, Flint, Detroit today**

http://www.mlive.com/news/flint/index.ssf/2013/04/governor_steps_into_water_war.html#incart_river_default

The meeting comes in the same week that the Flint and Genesee County rejected a final offer to continue buying water from Detroit and two days after Detroit gave Flint a notice of termination of its 1965 water contract.

April 19th **Detroit gives notice: It's terminating water contract covering Flint, Genesee County in one year**

http://www.mlive.com/news/flint/index.ssf/2013/04/detroit_gives_notice_its_termi.html

The city of Detroit has given notice that it's terminating a nearly 50-year-old contract for selling water to Flint and the county next year.

July 23rd **Flint River now an option for drinking water following Detroit's termination of contract**

http://www.mlive.com/news/flint/index.ssf/2013/07/city_readying_water_plant_to_t.html

The Flint River was not a viable option to provide drinking water to city residents when the water relationship between Flint and Detroit was stable. But river water might be used temporarily as the city's water supply now that Flint signed an agreement with the Karegnondi Water Authority and will get up to 18 million gallons per day of raw water in 2016 from Lake Huron. The Flint River hadn't been an option, city officials previously said, because upgrades to Flint's water plant would be too expensive, the river didn't provide enough capacity to serve Flint residents' water needs and the Michigan Department of Environmental Quality would not allow it.

From: Muchmore, Dennis (GOV)
Sent: Thursday, October 15, 2015 10:39 AM
To: Hollins, Harvey (GOV)
Subject: RE: Teamwork and cooperation

Actually it seems like he threw you and me under the bus and frankly I didn't appreciate it. I'm pissed at Ananich also and think Phelps is a gadfly, but you and I didn't deserve this from Neely. The first time I heard from him was through you and he could have called like anyone else. You've been working with him since the beginning, and I know you've talked to him multiple times. He has no reason to throw you under the bus.

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 14, 2015 11:17 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: Re: Teamwork and cooperation

Chief--I hear you, but I consider Phelps lawsuit and Ananich's rhetoric to be just as incendiary. Sheldon is frustrated. He reached out to DEQ early before all this broke and was blown off. He sent a letter to DHHS and got no response when he was told that they would get back with him by Tuesday this week. Ananich has met with the Governor, to my knowledge he hasn't on this issue. Ananich has had meetings the each of the Directors at issue a few times, he hasn't and his district is the city of Flint. While I do not like his approach with MSP on high speed chases, on this issue he has been more reasonable than most.

On Oct 14, 2015, at 3:52 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Great, we try to plug him in and now he throws us under the bus.
>
> ---
>
> **From:** Rep. Sheldon Neeley (District 34) [mailto:SheldonNeeley@house.mi.gov]
> **Sent:** Wednesday, October 14, 2015 3:33 PM
> **To:** Snyder, Rick (GOV) [redacted]
> **Cc:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Lyon, Nick (DHHS) <LyonN2@michigan.gov>; Wells, Eden (DHHS) <WellsE3@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Wyant, Dan (DEQ) <WyantD@michigan.gov>
> **Subject:** Teamwork and cooperation
>
> Honorable Rick Snyder, Governor
> State of Michigan
>
> Dear Gov. Snyder,
>
> I'm writing to voice my displeasure with the lack of communication between your office and mine concerning the water crisis in the city of Flint.
>
> Since I have been in a position to represent my community at the Capitol, I have been in constant contact with your office to offer advice, help, partnership and solutions. My community elected me to represent them in Lansing, and I have been striving to do just that. Several letters have reached your office, and I have been highly vocal about the need to come together to fix the water crisis. This has been done with the understanding that we both care about the people of Flint, who I represent in the Legislature, and who you represent as governor of this state.

I have also reached out to Dr. Eden Wells and the Department of Health and Human Services and the Michigan Department of Environmental Quality to be proactive in addressing the issue of lead-laced water damaging the minds and bodies of Flint's citizens, especially the children. While this crisis could be solved by switching water sources, the problems will remain in the health of our future generation.

I had hoped that this entire problem would have been addressed through partnership, teamwork and cooperation. It is unfortunate that hasn't been the case. It is also unfortunate that common courtesy to my office on being kept up to speed with any operational changes and financial solutions has not been timely communicated.

I will continue to keep the lines of communication open as we address the continued problem of health in Flint, and I hope you will take the opportunity to join me in conversation to find future solutions.

For the Love of the Community,

Sheldon A. Neeley, State Representative
34th District

CC: Dennis Muchmore
Nick Lyons
Dan Wyant
Dr. Eden Wells
Harvey Hollins

From: Murray, David (GOV)
Sent: Wednesday, October 21, 2015 1:17 PM
To: Hollins, Harvey (GOV); Clayton, Stacie (GOV)
Subject: Flint task force notifications

Hello Harvey,

Sara asked that I send this to you for notifications. Would you be able to reach out to the Mott Foundation, pastors group and Mayor Walling's Office? The plan is to issue between 2 and 2:30, with potential notifications around 2 p.m.

Thank you very much!

Dave

Gov. Rick Snyder announces Flint Water Task Force to review state, federal and municipal actions, offer recommendations

Experts in public health, water management, environmental protection to focus on steps to protect residents

LANSING, Mich. – Gov. Rick Snyder today announced the creation of an independent advisory task force charged with reviewing actions regarding water use and testing in Flint and offer recommendations for future guidelines to protect the health and safety of all state residents.

Task force members include experts in public health and medicine, water management, and environmental protection from both sides of the aisle, and will be co-chaired by Ken Sikkema of Public Sector Consultants and Chris Kolb, of the Michigan Environmental Council. Also serving will be Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein, of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center in Flint.

"Transitioning back to the Detroit Water and Sewerage Department-Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on potential changes to law, procedures and practices will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the residents in Flint and all of Michigan."

Snyder said the administration will fully cooperate with task force members, saying he wants an unbiased report focusing on steps taken in the past and recommendations that could improve practices to ensure all residents have access to safe, clean water.

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate majority leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served six years on the Ann Arbor City Council. He has been president of the MEC for six years.

Matthew Davis, M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. Davis also is a professor of health management and policy at the School of Public Health. He previously served as the chief medical executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal adviser for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

Lawrence Reynolds, M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center. He received his medical degree from Howard University College of Medicine and has been in practice for 36 years. He has served as president of the Genesee County Medical Society and the Michigan Chapter of the American Academy of Pediatrics. He has been honored for his humanitarian and advocacy efforts on behalf of children from the Community Foundation of Greater Flint.

Snyder has said reconnecting with the authority is a critical step to resolving water quality issues and addressing related health concerns. It will not immediately resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality and Health and Human Services are continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

####

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted]
Twitter:@michigandmurray

From: Khouri, Claire (GOV)
Sent: Tuesday, October 27, 2015 10:30 AM
To: Hollins, Harvey (GOV); Clayton, Stacie (GOV)
Subject: Flint Water - FDCVT App before Treasury
Attachments: Flint (Water) - Application.pdf

Hi Harvey,

I just got off the phone with Stacie re: the attached app before the Treasury FDCVT review committee. When you get a chance can we connect on this?

Thanks!

Claire Khouri
Senior Strategy Advisor
Office of Governor Rick Snyder
517-335-9079
KhouriC@michigan.gov

RECEIVED
OCT 15 2015
Office of Revenue
& Tax Analysis

CITY OF FLINT

Dayne Walling
Mayor

Natasha L. Henderson
City Administrator

Thursday, October 15, 2015
Michigan Department of Treasury
Office of Revenue and Tax Analysis
P.O. Box 30722
Lansing, MI 48909

Re: Letter of Support for Financially Distressed Cities, Villages, and Townships Grant

County: Genesee Local Unit Code: 252040

To whom it may Concern:

Please accept this letter as the City of Flint's commitment to the Michigan Department of Treasury's Financially Distressed Cities, Villages, and Townships Grant Program for the Dupont Street Water Main Replacement Project

The replacement of 1.6 miles of water main along Dupont Street is an essential step in addressing the City's water quality challenges. The City's water system is severely antiquated, which is contributing to the current public health emergency, excessive water main breaks, and inefficient distribution of water to residents and businesses. The replacement of this water main will move the City closer to providing efficient, clean, and safe water to the public.

Even though the City has progressed to strategically reduce deficits by seeking new millages, reducing staff, and reducing services, the City still faces critical financial obstacles. The City does not have the financial resources to undertake and pay for a project of this nature. Further, any expenditure by the City for goods or services in excess of $75,000 must be approved by a Receivership Transition Advisory Board. The FDCVT Grant is essential for the successful implementation of this project, which will improve the safety, reliability, and sustainability of the City's water system.

Respectfully,

Natasha L. Henderson 10/15/2015

Natasha L. Henderson, City Administrator Date

City of Flint, Michigan

Application Due Date:
October 15, 2015

Financially Distressed Cities, Villages, and Townships Application (FY 2016)

Issued under authority of 2015 Public Act 84.

PART 1: APPLICANT INFORMATION

1. Applicant Name	2. Applicant Local Unit Code
City of Flint	252040
3. Applicant FEIN	**4. Applicant County**
38-6004611	Genesee

5. Mailing Address	6. City	7. State	8. ZIP Code
1101 South Saginaw	Flint	MI	48502

PART 2: PROPOSAL OVERVIEW

9. Proposal Title
Dupont Street Water Line Replacement Project

10. Estimated Start Date	11. Estimated Completion Date
06/01/2016	08/30/2016
12. Estimated Total Proposal Cost	**13. Grant Amount Requested**
$ 3,985,267.00	$ 2,000,000.00

14. Additional Local Units, if Participating in a Shared Service Project (include county and local unit code). Attach letters of support from each of the participating local units.

NA

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Office of Revenue & Tax Analysis

15. Is the applicant(s) willing to devote appropriate resources and time to this proposal?

☒ Yes ☐ No If no, explain why the applicant(s) is unable to devote appropriate resources and time to the proposal.

16. Plan for Partial Funding: If full funding is not awarded, how will you fund the proposal? Can you go forward with the proposal if partial funding is awarded?

If at least $1 million is granted, the remainder of the costs can be budgeted through the Capital Improvements Plan for Fiscal Year 2017.

PART 3: PROPOSAL CONTACT INFORMATION

Note: The proposal contact individual should be a vital part of the grant proposal and will be the Michigan Department of Treasury's contact.

17. Contact Name	18. Contact Title
Howard Croft	Director of Public Works
19. Contact Telephone Number	**20. Contact Fax Number**
(810) 766-7346	(810) 766-7218

21. Contact E-mail Address
hcroft@cityofflint.com

22. Contact Entity Name
City of Flint

PART 4: CONDITIONS OF PROBABLE FINANCIAL DISTRESS

23. Indicate the conditions affecting the applicant that indicate probable financial distress (check all that apply and attach proof of existence for each condition checked).

☐ 1. The governing body or the chief administrative officer of the city, village or township has requested a preliminary review. The request shall be in writing and shall identify the existing or anticipated financial conditions or events that make the request necessary.

☐ 2. The state financial authority has received a written request from a creditor with an undisputed claim, that remains unpaid 6 months after its due date, against the city, village, or township that exceeds the greater of $10,000.00 or 1% of the annual general fund budget of the city, village, or township, provided that the creditor has notified the city, village or township in writing at least 30 days before the creditor's request to the state financial authority of the creditor's intention to submit a written request.

PART 4: CONDITIONS OF PROBABLE FINANCIAL DISTRESS, CONTINUED

- ☐ 3. The state financial authority has received a petition containing specific allegations of financial distress signed by a number of registered electors residing within the city's, village's, or township's jurisdiction equal to not less than 5% of the total vote cast for all candidates for governor within the city's, village's, or township's jurisdiction at the last preceding election at which a governor was elected. The petition shall not have been filed within 60 days before any election of the city, village, or township.
- ☐ 4. The state financial authority has received a written notification that the city, village, or township has not timely deposited its minimum obligation payment to the city's, village's, or township's pension fund, as required by law.
- ☐ 5. The state financial authority has received a written notification that the city, village, or township has failed, for a period of 7 days or more after the scheduled date of payment, to pay wages and salaries or other compensation owed to employees or benefits owed to retirees.
- ☐ 6. The state financial authority has received a written notification from a trustee, paying agent, bondholder, or auditor engaged by the city, village, or township of a default in a bond or note payment or a violation of 1 or more bond or note covenants.
- ☐ 7. The state financial authority has received a resolution from either the senate or the house of representatives requesting a preliminary review of the city, village, or township.
- ☐ 8. The city, village, or township has violated a requirement of, or a condition of an order issued pursuant to, former 1943 PA 202, revenue bond act of 1933, 1933 PA 94, MCL 141.101 to 141.140, the revised municipal finance act, 2001 PA 34, MCL 141.2101 to 141.2821, or any other law governing the issuance of bonds or notes.
- ☐ 9. The city, village, or township has violated the conditions of an order issued by the local emergency financial assistance loan board pursuant to the emergency municipal loan act, 1980 PA 243, MCL 141.931 to 141.942.
- ☐ 10. The city, village, or township has violated a requirement of sections 17 to 20 of the uniform budgeting and accounting act, 1968 PA 2, MCL 141.437 to 141.440.
- ☐ 11. The city, village, or township has failed to timely file an annual financial report or audit that conforms with the minimum procedures and standards of the state financial authority and is required for cities, villages, and townships under the uniform budgeting and accounting act, 1968 PA 2, MCL 141.421 to 141.440a.
- ☐ 12. The city, village, or township is delinquent in the distribution of tax revenues, as required by law, that it has collected for another taxing jurisdiction, and that taxing jurisdiction requests a preliminary review.
- ☒ 13. The city, village, or township is in breach of its obligations under a deficit elimination plan or an agreement entered into pursuant to a deficit elimination plan.
- ☐ 14. A court has ordered an additional tax levy without the prior approval of the governing body of the city, village, or township.
- ☐ 15. The city, village, or township has ended a fiscal year in a deficit condition as defined in section 21 of the Glenn Steil state revenue sharing act of 1971, 1971 PA 140, MCL 141.921, or has failed to comply with the requirements of that section for filing or instituting a financial plan to correct the deficit condition.
- ☒ 16. The city, village, or township has been assigned a long-term debt rating within or below the BBB category or its equivalent by 1 or more nationally recognized credit rating agencies.
- ☒ 17. There is an existence of other facts or circumstances that, in the state treasurer's sole discretion for a city, village or township, are indicative of probable financial stress.

PART 5: PROPOSAL DETAILS

24. Describe Current State of Affairs: What is working well? What is not working? Explain the current condition of infrastructure/equipment.

See attached.

PART 5: PROPOSAL DETAILS, CONTINUED

25. Describe Strategy, Project, or Service Proposal:

The Dupont Street Water Main Project will replace 2 miles of antiqated water main with 24" ductile iron pipe.

26. Describe How Grant Funding will Lead the Applicant Toward Financial Stability:

The replacement of this water main is an essential step in the City's struggle to provide clean, safe, and relaible water utilities to residents and businesses. Work must begin as sson as possible to safeguard the public health and restore public confidence in the City's water system in order for the City's Water and Sewer Fund to regain a sustainable position.

27. Goals, Measures, and Business Objectives of this Proposal: What are the outcomes you hope to achieve? How will you measure the outcomes? Provide the measures which will be used to determine the success of the proposal.

The goals include reducing the probability for future water main breaks in the area, reduction of contaminants from corrosion and leeching, and to improve the efficiency of water distribution throughout the city.

28. Potential Barriers: Describe any barriers that currently exist that may have an impact on the implementation of the proposal.

Potential barriers to the implementation of this project include the potential of receiving contractor bids that exceed the budget for the project and the weather poses a significant risk of slowing the project's timeline.

29. Continuity of Proposal: How do you plan to fund the proposal going forward once awarded grant funds are exhausted?

Once the project is completed there are no significant residual costs. The project is expected to be funded through grant funds and funds from the Utilities Administration Account in the Water and Sewer Fund.

PART 5: PROPOSAL DETAILS, CONTINUED

30. Cost Savings: Will the proposal save money? **Attach a detailed calculation of the cost savings and provide an explanation of how the cost savings were calculated. Do not include any anticipated FDCVT grant funding as part of the cost savings calculation.**

☒ Yes ☐ No

A. SHORT-TERM (1 year or less)	☒ Yes	☐ No	Estimated Short-Term Savings $ 40,000.00
B. LONG-TERM (Greater than 1 year)	☒ Yes	☐ No	Estimated 5 Year Total Savings $ 30,000,000.00

31. Work Plan and Proposal Timeline: What are the implementation steps to ensure this proposal's success? What are the projected outcomes at each step? **Attach a detailed work plan, if the narrative will not fit in the space provided.**

The project is intended to be bid-out at the beginning of 2016, in which a contractor would be selected by February or March. This contractor would furnish a more detailed work plan in their proposal, which outlines the steps of the project.

Work is expected to begin in June and be completed by August of 2016.

32. Total Grant Budget Worksheet: **For each budget category, attach a detailed list of proposed expenditures, including an indication of the priority for each budgeted item. Explain how the expenditures support and are essential to the proposal.**

Budget Category	Estimated Total Proposal Cost	Grant Budget Amount Requested (Total Limited to $2.0 million)
Water Main Replacement	$ 3,985,267.00	$ 2,000,000.00
	TOTAL ESTIMATED PROPOSAL COST $ 3,985,267.00	TOTAL GRANT AMOUNT REQUESTED $ 2,000,000.00

33. Additional Information and Comments:

PART 6: ATTACHMENTS

34. Check the appropriate boxes and attach the following items to the application. All attachments must be included and labeled appropriately.

☒ Attached	☐ N/A	1. Letter of support from each of the participating local units identified in Part 2, Box 14
☒ Attached		2. Proof of existence for each condition of probable financial distress checked in Part 4, Box 23
☒ Attached	☐ N/A	3. Detailed calculation of cost savings and an explanation of how the cost savings were calculated in Part 5, Box 30
☐ Attached	☒ N/A	4. Detailed work plan, if the narrative will not fit in Part 5, Box 31
☒ Attached		5. Detailed list of proposed expenditures to support Part 5, Box 32, including an indication of the priority for each budgeted item and an explanation of how the expenditure will support and is essential to the proposal

PART 7: CERTIFICATION

35. I certify that all statements in this application, including all requested supplemental information, are true, complete and accurate to the best of my knowledge. If awarded, I agree to allow the Michigan Department of Treasury and the State Auditor General's Office (and/or any of their duly authorized representatives) access, for the purposes of inspection, audit, and examination, to any books, documents, papers, and records of the grantee which are related to this proposal. I agree to allow the Michigan Department of Treasury to conduct periodic program reviews of the proposal. The purpose of these reviews will be to determine adherence to stated proposal goals and to review progress of the proposal in meeting its objectives. I agree to submit semiannual and final narrative and financial status reports and a one-year Final Follow-up Report to the Michigan Department of Treasury. I understand that failure to submit any required reports may result in the termination of the grant. I understand that this grant may be terminated if the Michigan Department of Treasury concludes that I am not in compliance with the conditions and provisions of this grant, or have falsified any information. By way of signature, I agree with all conditions of this grant program.

Applicant's Chief Administrative Officer Signature (as defined in MCL 141.422b)	Date
Natasha L Henderson	10/15/2015
Printed Name of Applicant's Chief Administrative Officer (as defined in MCL 141.422b)	**Title**
Natasha L. Henderson	City Administrator

Applications are due October 15, 2015. Completed applications submitted via mail or e-mail must be received by the Michigan Department of Treasury no later than 11:59 p.m. on Thursday, October 15, 2015. Incomplete applications may not be considered.

A signed and completed application (including attachments) can be submitted by e-mail to TreasRevenueSharing@michigan.gov or by mail to:

Michigan Department of Treasury
Office of Revenue and Tax Analysis
PO Box 30722
Lansing MI 48909

Appendix A

Supplemental Answers

for the

Financially Distressed Cities, Villages, and Townships Grant Application

Appendix A
FDCVT Supplemental Answers

Part 5: Proposal Details

Question 24. Describe the current state of affairs. What is working well? What is not working? Explain the current condition of infrastructure/equipment.

The City is currently facing a public health emergency. Water from the Flint River, the City's water source, has been leeching lead from old pipes and solder, contaminating the water supply. Elevated lead levels in children were discovered by physicians at Hurley Hospital and The Genesee County Health Department has issued a Public Health Advisory.

The City of Flint is currently in a state of fiscal distress at a time in which considerable demands are placed upon it relating to water provision, court orders, and assessing practices compliance. The City is attempting to cope with these demands, while revenues are down or drastically reduced. Even though the City has progressed to strategically reduce deficits by seeking new millages, reducing the number of city employees and related costs, and ultimately reducing the services to the public, the City continues to face critical financial challenges. Both the income tax and property tax revenue bases have declined by 55% since the economic downturn in 2008. The current resources available to the City are very restricted and limited.

The City of Flint has been in receivership since December 2011. At that time, the State of Michigan Financial Review Team found that the City has a General Fund deficit of $14,621,546 as of June 30th, 2010, which was not eliminated within the two year preceding period.

The City previously submitted a five year deficit elimination plan for a cumulative general fund deficit of $7,046,820 as of June 30th, 2008. However, by June 30th, 2010, the cumulative general fund deficit had grown to $14,621,546. An updated plan submitted for 2010 did not purport to eliminate cumulative deficit until 2030 and that relied upon the issuance of an additional $12 million of debt in 2013.

A structural operating deficit existed in the general fund as of June 30, 2007, 2008, 2009, 2010, and the General Fund was projected to have a $6,768,864 deficit as of June 30, 2011.

The Comprehensive Annual Financial Report for the fiscal year ended June 30, 2011 was received in December 2011. The City's General Fund, which had a $14.6 million deficit at the beginning of the year, ended it with an $8.9 million deficit. The reduction in the deficit was due solely to an $8 million Fiscal Stabilization Bond issued by the city in March 2011. In total, excluding the impact of the FSB proceeds and the Genesee Towers judgment levy, expenses in the General Fund exceeded revenues. The City's Comprehensive Financial Report revealed an unassigned deficit in the General Fund of $8,961,427 as of June 30, 2014, which had resulted from operating deficits.

The City does not have a current bond rating. The most recent bond rating was from over a decade ago and received a score of Ba1, a qualifying indicator of fiscal distress.

As part of a recent judgment, the City was ordered to repay its Water and Sewer Fund 15.7 million from its General Fund. The recent water challenges have also resulted a lower frequency of bill payments from residents, further reducing revenues. This places considerable strain on the City's path to recovery as it struggles to emerge from receivership.

Appendix A
FDCVT Supplemental Answers

The City is in transition back to the Detroit Water and Sewerage Department as the source of water. This project comes at a cost of $2 million from the City's Water and Sewer Fund, an unanticipated expense. It is imperative that old pipes and water lines need to be addressed in order to arrive at a long term solution that will safeguard the public health, return public confidence in the Water System, resulting in a return to a sustainable Water and Sewer Fund. The City is the water provider, and as such, it has an obligation to provide clean and safe water for residents.

The Dupont Street Project is a catalytic endeavor that will begin the process of replacing old infrastructure and improve the quality of water.

Appendix B

Proposed Expenditures

of the

Financially Distressed Cities, Villages, and Townships Grant Application

Appendix B
FDCVT Explanation of Proposed Expenditures

Explanation of Proposed Expenditures

The following expenditures represent the estimated costs of the Dupont Street Water Main Project based on a previous bid for services in 2014 by DiPonio Contracting, Inc. It must be noted that these costs represent an estimation by the contractor that is considered to be adequate to cover the Contractor's profit and overhead for the project. These costs may be adjusted once work begins.

These items are essential for the successful implementation of the project, which include the removal and/or replacement of trees, sidewalk, driveways, areas of road, and parking lots as well as the excavation of the existing water main. Required items also include hydrant assemblies, connecting to the existing main, and equipment costs for traffic control.

Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
Mobilization	1	LSUM	$100,000.00	$ 100,000.00
Tree, Rem 19" to 36"	8	EA	$ 1,000.00	$ 8,000.00
Tree, rem 6" to 18"	14	EA	$ 550.00	$ 7,700.00
DR structure, Rem	24	EA	$ 300.00	$ 7,200.00
Sidewalk, Rem	2591	SYD	$ 5.00	$ 12,955.00
Pavement, Rem, Modified	7880	SYD	$ 13.00	$ 102,440.00
Erosion Contol, Inlet protection, fabric drop	95	EA	$ 125.00	$ 11,875.00
Dr Structure Cover, Adj, Case 1	38	EA	$ 610.00	$ 23,180.00
Dr Structure Cover, 48" dia	24	EA	$ 1,600.00	$ 38,400.00
Dr Structure Cover, Special	21	EA	$ 740.00	$ 15,540.00
Dr Structure Cover, Special	103	EA	$ 900.00	$ 92,700.00
Hand Patching	74	TON	$ 310.00	$ 22,940.00
HMA Pavement Repair, Commercial	622	TON	$ 214.00	$ 133,108.00
HMA Pavement Repair, Residential	1342	TON	$ 242.00	$ 324,764.00
Driveway, Nonreinf Conc, 6"	1019	SYD	$ 61.00	$ 62,159.00
Curb and Gutter, Conc, Det C4	4786	FT	$ 27.00	$ 129,222.00
Dectable Warning Surface, Modified	488	FT	$ 91.00	$ 44,408.00
Sidewalk Ramp, Conc, 7"	5376	SFT	$ 11.00	$ 59,136.00
Sidewalk, Conc, 4" Modified	17025	SFT	$ 5.85	$ 99,596.25
Sidewalk, Conc, 6" Modified	1473	SFT	$ 6.75	$ 9,942.75
Post, Steel, 3 lb	336	FT	$ 6.00	$ 2,016.00
Sign, Type III, Erect, Salv	24	EA	$ 50.00	$ 1,200.00
Sign, Type III, Rem	24	EA	$ 20.00	$ 480.00
Sign, Type IIIA	16	SFT	$ 18.00	$ 288.00
Pavt Mrkg, Ovly Cold Plastic, 6", Crosswalk	170	FT	$ 8.00	$ 1,360.00
Pavt Mrkg, Ovly Cold Plastic, 24", Stop Bar	30	FT	$ 15.00	$ 450.00
Pavt Mrkg, Waterborne, 4", White	160	FT	$ 6.00	$ 960.00
Maintaining Traffic	1	LSUM	$ 32,475.00	$ 32,475.00
Turf Establishment, Performance	1	LSUM	$ 25,000.00	$ 25,000.00
Water Shutoff, Adj, Case 1	1	EA	$ 370.00	$ 370.00
Rem WM	32	FT	$ 11.00	$ 352.00

Appendix B
FDCVT Explanation of Proposed Expenditures

Water Main, DI 12" TD G	157	FT	$ 139.00	$ 21,823.00
Water Main, DI, 24", TD G	8419	FT	$ 207.00	$ 1,742,733.00
Water Main, DI, 24", TD F	305	FT	$ 168.00	$ 51,240.00
Water Main, DI, 6", TD G	454	FT	$ 94.00	$ 42,676.00
Water Main, DI, 8" TD G	1551	FT	$ 116.00	$ 179,916.00
Abandon Gatewell	5	EA	$ 380.00	$ 1,900.00
BFV and Well, 24"	15	EA	$ 10,000.00	$ 150,000.00
Gate Valve and Box, 8"	43	EA	$ 1,500.00	$ 64,500.00
Hydrant Assembly	33	EA	$ 4,000.00	$ 132,000.00
Rem Gatewell	44	EA	$ 383.00	$ 16,852.00
Rem Hyd Assembly	17	EA	$ 550.00	$ 9,350.00
Temp, Blowoff	37	EA	$ 500.00	$ 18,500.00
Gate Valve and Well, 8"	3	EA	$ 2,700.00	$ 8,100.00
Gate Valve and Well, 12"	4	EA	$ 4,700.00	$ 18,800.00
Gate Valve Box, Adj	1	EA	$ 165.00	$ 165.00
Connect to Existing Water Main	83	EA	$ 1,000.00	$ 83,000.00
Pressure testing	1	LSUM	$ 5,000.00	$ 5,000.00
Flowable Fill	993	CYD	$ 65.00	$ 64,545.00
Audio Visual Filming	1	LSUM	$ 3,950.00	$ 3,950.00
Total of All Unit Price Bid Items				$3,985,267.00

Appendix C

Estimated Savings

of the

Financially Distressed Cities, Villages, and Townships Grant Application

Appendix C
FDCVT Cost Savings Calculation

Short Term Savings

Another area of short term savings is considering the decline in water main breaks with an upgraded transmission line. In the past five years, there have been approximately twenty water main breaks in the area of the proposed work. Main breaks have cost the City between $5,000 and $10,000 each to repair. This has amounted to $100,000 to $200,000 in water main repair costs in just that area alone. On average we can expect a savings of $40,000 in the first year alone ($200,000/5 years = $40,000 per year)

Long Term Savings

The ultimate long term benefits of the project are concerned with providing reliable, clean, and safe drinking water for Flint water customers. This area suffers from poor water quality due to longer retention times as a result of inhibited flow. Resolving this is essential to regain public confidence in City provided utilities, which affect bill collections and the overall fiscal health of the Water and Sewer Fund. Addressing antiquated infrastructure is a necessary step to secure public health.

Other savings of this project include the elimination of leaks by replacing the line. Roughly one-third of the water that the City will be purchasing from Detroit will be lost due to leakage from an extremely antiquated system, the use of water when addressing incidents of arson, and water theft or waste from scrapping. Considering that water from DWSD will cost an estimated $1.5 million per month, $500,000 worth of water that is purchased will never be billed every month. That amounts to $6 million per year and $30,000,000 per year if the pattern to repair these aging lines continues through completion. This is a significant waste. Replacing the Dupont Water Main is an essential step in mitigating this loss.

Appendix D

Evidence of Financial Distress:
Deficit Elimination Plan

for the

Financially Distressed Cities, Villages, and Townships Grant Application

EMERGENCY MANAGER
CITY OF FLINT
GENESEE COUNTY MICHIGAN

ORDER No. 18

ADOPTION OF THE DEFICIT ELIMINATION/RESERVE ACCUMULATION PLAN

BY THE POWER AND AUTHORITY VESTED IN THE EMERGENCY MANAGER ("EMERGENCY MANAGER") FOR THE CITY OF FLINT, MICHIGAN ("CITY") PURSUANT TO MICHIGAN'S PUBLIC ACT 436 OF 2012, LOCAL FINANCIAL STABILITY AND CHOICE ACT, ("PA 436"); DARNELL EARLEY, THE EMERGENCY MANAGER, ISSUES THE FOLLOWING ORDER:

Pursuant to PA 436, the Emergency Manager has broad powers in receivership to rectify the financial emergency and to assure the fiscal accountability of the City and its capacity to provide or cause to be provided necessary services essential to the public health, safety and welfare; and

Pursuant to PA 436, the Emergency Manager acts in place of local officials, specifically the Mayor and City Council, unless the Emergency Manager delegates specific authority; and

Pursuant to PA 436, the Emergency Manager shall develop and may amend a written financial and operating plan for the City, which shall have the objectives of assuring that the City is able to provide or cause to be provided governmental services essential to the public health, safety and welfare and assuring the fiscal accountability of the local government; and

Pursuant to PA 436, an Emergency manager may require and approve or disapprove, or amend or revise, a plan for paying all outstanding obligations of the local government; and

The FY13 Financial Statements for the City of Flint for FY13 disclosed a $12,895,642 General Fund deficit. Most of this deficit arises from various inter-fund borrowings in the form of cash advances to the General Fund from other funds, implemented over the past several years. The deficit has been significantly reduced from the FY12 deficit of $19.2 million.

advances to the General Fund from other funds, implemented over the past several years. The deficit has been significantly reduced from the FY12 deficit of $19.2 million.

This Order further reduces the deficit in FY14 and authorizes actions in subsequent years to eliminate the deficit. This Order is based on the commitment that in future years, expenses in the General Fund will not exceed revenues, thus assuring that the deficit will reduce, not grow.

This Order also recognizes that achieving long term financial solvency requires not only the elimination of deficits but the accumulation of financial reserves at an adequate level.

This Order recognizes reductions made or projected for this year and authorizes and directs additional steps to eliminate the deficit and to establish an appropriate level of reserves as necessary for sustainable financial solvency:

- It is projected that the $12,895,642 General Fund deficit as of the end of FY13 will be reduced by $2,702,097 to $10,195,342 at the end of FY14, as a result of revenues exceeding expenses.

- The General Fund debts to Fund 636 (Information Technology) and Fund 542 (Building Safety) in the total amount of $393,545 will be discharged before the end of FY14, thus further reducing the deficit to $9,800,000. Discharging these debts will not compromise the financial solvency of these funds.

- $800,000 will be transferred from the Capital Improvements Fund to the Sewer Fund, and the General Fund debt to the Sewer Fund will be discharged in a like amount, thus reducing the General Fund deficit at the end of FY14 to $9,000,000.

Continuing in the FY15 budget and future years, until the remaining accumulated deficit is eliminated, expenses will be budgeted at $1 million less than revenues, thus providing for additional deficit reduction. Additionally, $800,000 annually will be appropriated from the Public Improvement Fund for capital improvement funding in Fund 590 (Sewer Fund) in lieu of repayment of cash advances from Fund 590. Using these funds, deficit reduction will continue as follows:

- FY15: $9,000,000 reduced to $7,200,000
- FY16: $7,200,000 reduced to $5,400,000
- FY17: $5,400,000 reduced to $3,600,000
- FY18: $3,600,000 reduced to $1,800,000
- FY19: $1,800,000 reduced to $ -0-

Beginning in FY20, or sooner should the deficit be eliminated sooner, expenses in the General Fund will continue to be annually budgeted at a maximum of $1 million less than General Fund revenues, and expenses in the Public Improvement Fund shall continue to be budgeted at a maximum of $800,000 less than Public Improvement Fund revenues. This shall continue until, at a minimum, the accumulation of funds reach 15% of General Fund revenues. The goal is to have and maintain financial reserves equal to or exceeding 15% of General Fund revenues at any time.

These steps are to be viewed as the minimum actions to be taken with respect to eliminating the deficit and accumulating adequate financial reserves. It is recognized that accomplishing these goals as quickly as possible is desirable.

Pursuant to Act 436, section 12(1), I hereby order that the General Fund debt associated with the cash advances to Funds 636, and 542 in the amounts of $500,000 and $110,000 respectively, are hereby discharged.

I further order that the General Fund debt associated with the cash advance to Fund 591 in the amount of $1,000,000 will be repaid at the end of FY14 with the surplus of General Fund revenues over expenses budgeted for deficit reduction and that $800,000 will be appropriated from Fund 402 to Fund 590 for capital improvements, and that the General Fund debt associated with the cash advance from Fund 590 is hereby reduced by $800,000.

I further order that the General Fund debt associated with the cash advances to Fund 590 remaining after FY14 will be repaid in the amount of $1 million annually for each of the years FY15 through FY19 from the General Fund. Additionally, for the same period, there shall be an annual appropriation from the Public Improvement Fund in the amount of $800,000 to be used for capital improvements, and the General Fund debt associated with the cash advance from Fund 590 shall be reduced in a corresponding manner.

I further order that once the deficit is eliminated, expenses in the General Fund shall continue to be annually budgeted at a maximum of $1 million less than General Fund revenues, and expenses in the Public Improvement Fund shall continue to be budgeted at a maximum of $800,000 less than Public Improvement Fund revenues until such time as the accumulation of funds from these actions reach, at a minimum 15% of General Fund revenues. The goal is to have and maintain financial reserves equal to or exceeding 15% of General Fund revenues at any time. Some portion of the funds accumulated by this action may be transferred to the City's Budget Stabilization Fund, with no less than an amount equal to 5% of General Fund revenues remaining in the General Fund.

I further order that the attached Deficit Elimination Plan is hereby adopted on behalf of the City of Flint. The Finance Director is authorized to take such actions and accounting measures as necessary to implement this order.

The above stated orders are effective immediately.

This Order may be amended, modified, repealed or terminated by any subsequent Order issued by the Emergency Manager.

Dated: 7-15-14

By: Darnell Earley

Darnell Earley, ICMA-CM, MPA
Emergency Manager
City of Flint

xc: State of Michigan Department of Treasury
Mayor Dayne Walling
Flint City Council
Inez Brown, City Clerk

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City of Flint Deficit Reduction and Reserve Accumulation Plan

		Reductions	Annual Reduction	Remaining Deficit
FY13	ACCUMULATED DEFICIT 6/30/2013			$12,895,642
FY14				
	General Fund Revenues over Expenses	-$2,702,097		
	Fund 542 debt discharged	-$110,000		
	Fund 636 debt discharged	-$283,545		
	Fund 590 appropriated $ from CIP Fund; Fund	-$800,000		
	590 debt discharged by like amount		-$3,895,642	$9,000,000
FY15	Fund 590 partially repaid from FY15 surplus	-$1,000,000		
	Fund 590 appropriated $ from CIP Fund	-$800,000		
	(Fund 590 debt reduced by $1,800,000)		-$1,800,000	$7,200,000
FY16	Fund 590 partially repaid from FY16 surplus	-$1,000,000		
	Fund 590 appropriated $ from CIP Fund	-$800,000		
	(Fund 590 debt reduced by $1,800,000)		-$1,800,000	$5,400,000
FY17	Fund 590 partially repaid from FY17 surplus	-$1,000,000		
	Fund 590 appropriated $ from CIP Fund	-$800,000		
	(Fund 590 debt reduced by $1,800,000)		-$1,800,000	$3,600,000
FY18	Fund 590 partially repaid from FY18 surplus	-$1,000,000		
	Fund 590 appropriated $ from CIP Fund	-$800,000		
	(Fund 590 debt reduced by $1,800,000)		-$1,800,000	$1,800,000
FY19	Fund 590 partially repaid from FY19 surplus	-$1,000,000		
	Fund 590 appropriated $ from CIP Fund	-$800,000		
	(Fund 590 debt reduced to $-0-)		-$1,800,000	$0

		Additions to Reserves	Annual Total	Cumulative Total
FY20	Fund 101 Revenues commited to Reserves	$1,000,000		
	Fund 402 Revenues commited to Reserves	$800,000		
	Total commited to reserves		$1,800,000	$1,800,000
FY21	Fund 101 Revenues commited to Reserves	$1,000,000		
	Fund 402 Revenues commited to Reserves	$800,000		
	Total commited to reserves		$1,800,000	$3,600,000
FY22	Fund 101 Revenues commited to Reserves	$1,000,000		
	Fund 402 Revenues commited to Reserves	$800,000		
	Total commited to reserves		$1,800,000	$5,400,000
FY23	Fund 101 Revenues commited to Reserves	$1,000,000		
	Fund 402 Revenues commited to Reserves	$800,000		
	Total commited to reserves		$1,800,000	$7,200,000
FY24	Fund 101 Revenues commited to Reserves	$1,000,000		
	Fund 402 Revenues commited to Reserves	$800,000		
	Total commited to reserves		$1,800,000	$9,000,000

** In General Fund, Budget Stabilization Fund, and Public Improvement Fund*

Appendix E

Evidence of Financial Distress:
Emergency Manager Exit Letter

for the

Financially Distressed Cities, Villages, and Townships Grant Application

CITY OF FLINT

OFFICE OF THE EMERGENCY MANAGER

Gerald Ambrose
Emergency Manager

April 28, 2015

Honorable Rick Snyder
Governor of Michigan
111 South Capitol Avenue
Lansing, MI 48909

Dear Governor Snyder:

The City of Flint has been in a state of receivership since your declaration of a financial emergency in November 2011. Since that time a number of substantial changes have been implemented and I feel that the financial emergency has been sufficiently addressed. I feel it is appropriate to relinquish my position as Emergency Manager (EM) at this time.

As you are aware, I was appointed Emergency Manager on January 13, 2015, under the authority of PA 436 of 2012. I am the fourth EM to serve the City of Flint; my predecessors were Michael K. Brown (PA 4 and PA 436), Edward Kurtz (PA 72 and PA 436) and Darnell Earley (PA 436). Each EM took major steps toward rectifying the financial emergency. These steps included implementing budgetary and financial best practices, restructuring the City departmental organization, implementing new means and levels of service provision, and preparing the City for long term stability.

Addressing the Financial Emergency:

At the time of placement into state receivership, the City of Flint was a city in financial crisis, characterized by accumulated deficits in the General Fund and Water Fund, marginal cash flow, and unsustainable legacy costs. At the conclusion of FY12, the fiscal year in which an Emergency Manager was appointed, the City's General Fund deficit stood at $19.1 million; its Water Fund had a deficit of $8.8 million; and cash flow was $13 million, or less than one month's expenses. Unfunded OPEB liabilities were more that $850 million.

Addressing these issues and putting Flint back onto a path to sustain financial solvency has been difficult for taxpayers, employees, retirees, and those utilizing city services. Taxes and fees have been raised, including a voter approved six mill special levy for police and fire; a special assessment for street lighting; waste collection was changed to a fee for service from a millage rate; and increases in utility rates to among the highest in the state. Services have been reduced to marginal levels (including public

safety), as the workforce and employee compensation has shrunk by more than 20%. And, retirees have seen their cost of retiree health care increase.

As a result, much progress has been made:

- The deficits in the General Fund and Water Fund have been addressed. The Water Fund is now solvent, although not at the level indicated as adequate; and the remaining $7 million General Fund deficit will be eliminated by June 30, 2015, with a loan authorized by the Emergency Loan Board. City wide cash flow is now more than $67 million.
- New ordinances addressing the achievement and maintenance of financial sustainability have been enacted by the City Council, with support of the Mayor. These ordinances include the requirement for creation and maintenance of a strategic plan; requirement for creation and maintenance of a biennial budget and five year financial projections; establishment of a fund balance reserve, including establishment of a budget stabilization fund; establishment of a requirement to begin funding of OPEB liabilities; and an update of the City's purchasing ordinance.
- Long term liability costs have been reduced significantly. $850 million in OPEB liabilities have been reduced to $240 million, and new employees are given a contribution towards future health care costs at retirement instead of the promise of retiree health care. Current retirees now pay a significant amount towards their health care. Multipliers for remaining employees in defined benefit programs have been reduced, and new employees are enrolled in a hybrid pension plan, which has less long term liability for the City. The Flint Employees Retirement System has been dissolved, with pension administration now handled by the Municipal Employees Retirement System.
- The structure of the City organization has been changed significantly. A new City Administrator has been hired, selected on the basis of professional expertise, and with expanded control over daily activities of the City. The workforce has been reduced by more than 20%, and City operations have been reorganized into four program areas. Waste collection and demolition is no longer being done internally, 911 operations will be transferred to the County effective July 1, 2015, and the City-funded 68th District Court is expected to become part of the County- funded 67th District Court in January, 2016. The purchase of water is now planned to come from the Karegondi Water Authority instead of the Detroit Water and Sewerage Department. Collective bargaining contracts have also been revised; increasing flexibility for management and setting the stage for permanent reductions in legacy costs. Partnerships have been established to improve the level of parks maintenance. Senior Centers are now run by independent non-profit organizations, with reduced assistance from the City; and the City golf courses have been leased to private operators.
- The City has put into place a plan for long term stabilization and future development. A new Master Plan (the first since the 1960's) has been adopted, a new Capital Improvement Plan has been completed, and a new framework for a Blight Elimination Plan has been developed. A new zoning ordinance is well on its way to completion. Each of these major planning pieces significantly engaged members of the community and the final products were approved by the Flint City Council, with the support of the Mayor.

- A Blue Ribbon Committee on Governance was established by EM Earley in 2014. The committee recommended a number of Charter revisions and recommended the election of a Charter Review Committee. In November 2014 the voters in Flint approved several revisions to the current Charter and also approved establishing a Charter Review Commission, the members of which will be elected in May 2015. The Commission will consider whether to maintain the current Strong Mayor form of governance or to propose a new Council-Manager format.
- A formal assessment of the values of both Hurley Hospital and the City's utility system have been completed; and concluded that no change in ownership status would be beneficial at this time.

Continuing Challenges:

Significant work has been accomplished to resolve the conditions which put the City of Flint into State receivership. However, there also still exist several major challenges which will require continued work on the part of the City leaders:

- Retiree health care continues to be a significant concern as the City still faces a federal lawsuit over its decision to change (but not eliminate) health care for current retirees. While the City is currently operating under a judge's order which allows modification of the City's historical level of health care for retirees, a loss could have an impact of more than $5 million annually.
- The five year revenue projections still identify a structural deficit. Annual costs for wages and fringes will continue to rise at an approximate 2.4% rate. There is not a comparable increase in projected revenue, which is closer to 1%. While it may be possible to continue the low level of services that Flint now provides for a short while, even that level will be in jeopardy without a long term sustainable new source of revenue. The low level of services that Flint currently provides is not at the level which will help the City to become an attractive place to live, work, study, and play.
- Aging water and sewer systems designed to serve twice as many customers as the number now using the systems have resulted in water and sewer rates that are among the highest in the state. This is another factor impeding the City's ability to attract and retain businesses and residents. There needs to be a concerted effort to reduce rates by as much as 50%, but that cannot even be contemplated without the commitment of financial assistance from the state and federal governments. While the decision to join with Genesee County in the creation of the KWA will result in costs for purchasing water increasing at a rate less than historically paid to the previous supplier, it will not be sufficient to lower costs.
- Continuing voter support for special millages financing public safety is a concern. In 2012 voters approved a 6 mill property tax levy for police and fire, bringing Flint's total level to within 1 mill of its maximum 20 mill limit. This millage, plus one for 2 mills approved some time ago, are expiring in 2017, and without renewal, the resulting level of public safety services, even with the current level of greatly appreciated State Police support, would be unworkable. This was recently confirmed by an evaluation of the organization and staffing for both the Police and Fire departments. The evaluations found both departments are understaffed, but the understaffing situation is significantly more acute in the Police Department, where it was noted that comparable cities have on average 100 more officers on the street than Flint does.

- Equally important to providing State support in the form of Michigan State Police has been the financial commitment by the State to fund the City's lock up at a cost of more than $2.5 million annually – without which there would be no lock-up. Both FPD and MSP have noted that the opening of the City's 72-hour lock-up has been a key component in the reduction in crime.

Emergency Manager's Recommendation:

Section 22(1) of P.A. 436 of 2012, the Local Financial Stability and Choice Act, provides that if the Emergency Manager determines that the financial emergency has been rectified, he or she is required to inform you and the State Treasurer. Based on the examples presented above, I am prepared to say that I have determined the financial emergency in the City of Flint has been rectified. In addition, as required by Section 21(1) of the Act, a two-year budget has been implemented and all bargaining unit contracts have been settled.

Although the financial emergency has been resolved, I recommend the appointment of a Receivership Transition Advisory Board (RTAB) as allowed by Section 23 of the Act. I believe it is critical that the RTAB oversee and provide guidance to the City as they address the continuing challenges facing the City of Flint and complete transition back to full local control.

The path to sustainable financial solvency for the City of Flint will be very difficult, but doable. The new financial policies and practices, and the new organizational structure, are designed to assist City leaders in achieving this goal. Achieving the goal will allow City leaders to become a positive force in leading the City to become an attractive place to live, work, study, and play. I applaud the efforts of the Mayor and Council members who have worked actively and positively to effectuate these changes and are committed to carrying them into the future.

If, however, the new policies, practices, and organizational changes are ignored in favor of returning to the historic ways of doing business, it is not likely the City will succeed over the long term. The focus of City leaders will then likely once again return to confronting financial insolvency.

I have greatly appreciated the opportunity to have been of service to the City of Flint and to the State of Michigan.

Sincerely,

Gerald Ambrose
Emergency Manager
City of Flint

Cc: Nick A. Khouri, State Treasurer

Appendix C
FDCVT Cost Savings Calculation

Short Term Savings

Another area of short term savings is considering the decline in water main breaks with an upgraded transmission line. In the past five years, there have been approximately twenty water main breaks in the area of the proposed work. Main breaks have cost the City between $5,000 and $10,000 each to repair. This has amounted to $100,000 to $200,000 in water main repair costs in just that area alone. On average we can expect a savings of $40,000 in the first year alone ($200,000/5 years = $40,000 per year)

Long Term Savings

The ultimate long term benefits of the project are concerned with providing reliable, clean, and safe drinking water for Flint water customers. This area suffers from poor water quality due to longer retention times as a result of inhibited flow. Resolving this is essential to regain public confidence in City provided utilities, which affect bill collections and the overall fiscal health of the Water and Sewer Fund. Addressing antiquated infrastructure is a necessary step to secure public health.

Other savings of this project include the elimination of leaks by replacing the line. Roughly one-third of the water that the City will be purchasing from Detroit will be lost due to leakage from an extremely antiquated system, the use of water when addressing incidents of arson, and water theft or waste from scrapping. Considering that water from DWSD will cost an estimated $1.5 million per month, $500,000 worth of water that is purchased will never be billed every month. That amounts to $6 million per year and $30,000,000 per year if the pattern to repair these aging lines continues through completion. This is a significant waste. Replacing the Dupont Water Main is an essential step in mitigating this loss.

Kolka, Carolyn (Treasury)

From: Sean Kammer <skammer@cityofflint.com>
Sent: Thursday, October 15, 2015 4:56 PM
To: TreasRevenueSharing
Subject: FDCVT Grant Application City of Flint
Attachments: City of Flint FDCVT Grant Dupont Street.PDF

To whom it may concern,

Please find attached an application for the Financially Distressed Cities, Villages, and Townships Grant for the City of Flint. The request is to fund the Dupont Water Main Replacement Project.

Thank you,

Sean Kammer

--
Sean Kenneth Kammer, MPA
Assistant to the City Administrator
City of Flint, Michigan
1101 S. Saginaw St.
Flint, MI 48502
810-237-2025

From: Armstrong, Anne (GOV)
Sent: Wednesday, October 28, 2015 10:18 AM
To: Hollins, Harvey (GOV); Clayton, Stacie (GOV); Haan, Andrew (GOV)
Subject: Schools and water testing update

Hello All,
I spoke with Madhu Anderson, Senior Policy Director for DEQ on the outreach to urban schools on water testing. I wanted to understand what DEQ's process was before we started canvassing, in case questions arose. George Krisztian, DEQ Lab Director and head of the Flint Action Response Team, suggested if possible that we hold off until they have a process and protocols in place on working with schools outside of the 13 Flint schools. They are working as quickly as possible with these 13 to establish some kind of response capability and backgrounder for all schools. They know, as we do, that this is most likely a statewide issue. Harvey, do you feel comfortable holding up on the calls to systems?
Anne

Anne Armstrong Cusack
Associate Director
Governor's Office of Urban Initiatives
350 Ottawa NE
Grand Rapids, MI 49503
Cell: [redacted]
armstronga2@michigan.gov

From: Armstrong, Anne (GOV)
Sent: Wednesday, October 28, 2015 11:35 AM
To: Hollins, Harvey (GOV)
Cc: Clayton, Stacie (GOV); Haan, Andrew (GOV)
Subject: RE: Schools and water testing update

Hello All,
Harvey I was informed of the testing in Muskegon and G.R. We have a number of other urban districts as well: Godwin, Godfrey Lee, Muskegon Heights, etc. Would you like me to move forward on this as well?
Anne

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 28, 2015 10:44 AM
To: Armstrong, Anne (GOV) <ArmstrongA2@michigan.gov>
Cc: Clayton, Stacie (GOV) <claytons3@michigan.gov>; Haan, Andrew (GOV) <HaanA2@michigan.gov>
Subject: Re: Schools and water testing update

Anne,
Your area is moving forward with schools testing water ahead of DEQ protocols. Grand Rapids is currently doing this and I'm told Muskegon will follow suit. I don't know what Holland is doing. http://michiganradio.org/post/grand-rapids-public-schools-test-drinking-water-lead

Andrew, I need you to call call Benton Harbor, Kalamazoo and Battle Creek's superintendents and ask if they are planning water testing in their schools. If so, send send an email to DEQ Director Dan Wyant and copy me, Dennis Muchmore and Jarrod Agen. If not, don't worry about the communication.

Bay City, Pontiac and Saginaw schools are moving forward. While DEQ is working on their protocols, a number of schools are moving forward with testing. I want the Governor informed about the activity.

Remember, this is simply an inquiry to testing activity in urban districts.

Best,
Harvey

On Oct 28, 2015, at 10:17 AM, Armstrong, Anne (GOV) <ArmstrongA2@michigan.gov> wrote:

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>
> Anne Armstrong Cusack
> Associate Director

Governor's Office of Urban Initiatives
350 Ottawa NE
Grand Rapids, MI 49503
Cell: [redacted]
armstronga2@michigan.gov

From: Haan, Andrew (GOV)
Sent: Wednesday, October 28, 2015 3:45 PM
To: Hollins, Harvey (GOV); Armstrong, Anne (GOV)
Cc: Clayton, Stacie (GOV)
Subject: RE: Schools and water testing update

Harvey,
I'm still awaiting responses to outreach at Benton Harbor and Kalamazoo. I spoke with the interim superintendent at Battle Creek Public, and she noted that there were no plans in place as of today to test the schools' water, but would be getting back to me based on the call.

I will keep you updated as information emerges.

Thanks,
Andrew

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 28, 2015 10:44 AM
To: Armstrong, Anne (GOV) <ArmstrongA2@michigan.gov>
Cc: Clayton, Stacie (GOV) <claytons3@michigan.gov>; Haan, Andrew (GOV) <HaanA2@michigan.gov>
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Anne Armstrong Cusack
Associate Director
Governor's Office of Urban Initiatives
350 Ottawa NE
Grand Rapids, MI 49503
Cell: [redacted]
armstronga2@michigan.gov

From: Armstrong, Anne (GOV)
Sent: Friday, October 30, 2015 11:46 AM
To: Hollins, Harvey (GOV); Haan, Andrew (GOV)
Cc: Clayton, Stacie (GOV)
Subject: RE: Schools and water testing update

Hello All,
Holland has just completed a large bond infrastructure project. I have two calls into them, but my guess is they will not be testing.
Godwin Heights – get their water from Wyoming. No plans to test
Muskegon Heights – no plans to test.
Calls still out to Godfrey Lee.
Anne

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 28, 2015 8:59 PM
To: Haan, Andrew (GOV) <HaanA2@michigan.gov>
Cc: Armstrong, Anne (GOV) <ArmstrongA2@michigan.gov>; Clayton, Stacie (GOV) <claytons3@michigan.gov>
Subject: Re: Schools and water testing update

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Best,
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> **Cc:** Clayton, Stacie (GOV) <claytons3@michigan.gov>; Haan, Andrew (GOV) <HaanA2@michigan.gov>
> **Subject:** Re: Schools and water testing update
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> Anne Armstrong Cusack
> Associate Director
> Governor's Office of Urban Initiatives
> 350 Ottawa NE
> Grand Rapids, MI 49503
> Cell: [redacted]
> armstronga2@michigan.gov

From: Lyon, Nick (DHHS)
Sent: Thursday, October 08, 2015 4:30 PM
To: Lasher, Geralyn (DHHS); Hanley, Farah (DHHS); Becker, Timothy (DHHS); Grijalva, Nancy (DHHS); Roberts, John (DTMB); Wyant, Dan (DEQ); Duncan, Nancy (DTMB); Harkins, Chris (DTMB); Pallone, Maggie (DEQ); Hertel, Elizabeth (DHHS); Ruest, Karla (DHHS); Hollins, Harvey (GOV)
Subject: RE: Update from Nick's calls

Just a further follow up from this morning.

Rep. Verhuelen is concerned about this being precedent setting and will we be on the hook if another major municipal water system fails. We talked quite a bit about water quality and corrosion and I hooked him up to Dan for further details.

Rep. Santana thought this was the right thing to do and was quite supportive. He did state that he had heard that Hispanic people in Flint were not aware or taking advantage of the fact that they could get filters. I told him we would look at providing info in Spanish. He also urged that we work with the agencies that support Spanish speaking residents. I told him I would follow up with Harvey to see what he is doing in that regard. Harvey - This is FYI for you. I will let him know that we were working with the Hispanic Center, who picked up filters from GCCARD and will help with translation on the application.

Shirkey sent me a text thanking him for the message.

>>>>>>>>>>>>>>>>>>>>

Nick has put in calls to our subcommittee chairs and wanted to pass along the feedback he got.

All agree from the health side that the DHHS action is the right way to move forward. However they had some negative feedback on the $6 million.

--Representatives MacGregor and Poleski both feel this should be a loan to the City of Flint instead of direct payment of $6 million

--Senator Marleau complained about the lack of legislative input before the decision was made to switch back to Flint water from Detroit in the first place.

He left messages for Verheulen, Santana, Shirkey and Hertel.

Sent from my iPad

From: Baird, Richard (GOV)
Sent: Wednesday, September 30, 2015 10:34 AM
To: Frank Brown (fbrown@generalatlantic.com)
Cc: Hollins, Harvey (GOV)
Subject: FW: Flint water background information
Attachments: Flint water FAQs (00000004).pdf; Sharable Flint Lead TP 092415 (00000002).docx

Frank:

We have a situation in Flint, Michigan that is beginning to get national attention and could be an opportunity for Home Depot. 18 months ago, Flint switched its water supply from Detroit Water (the distance and pumping costs of going uphill made it quite expensive) to the Flint River as a temporary answer, until they could finish the construction to get their water from Lake Huron (Karagondi Water System). The corrosive attributes of the River water have exacerbated the lead deposit leaching into homeowner pipes and there is concern around lead poisoning, especially for infants.

The corporate community is rallying to address the problem. Meijer donated 1500 water filters to low income residents and GM is about to announce a donation of between 5,000 and 10,000 filters. I do not yet know where GM is getting the filters from, but I was thinking that Home Depot might want to join the effort with a donation, supply chain discounting assistance, or some combination of activity that could help Flint residents. Harvey Hollins is our point person for this effort, since he is the Director of Urban Initiatives for Governor Snyder. I have copied him here.

If you could get this into the hands of the right people and see if there is interest in speaking with Harvey, I would be very appreciative. Thanks and take care.

Regards,

Rich

From: Murray, David (GOV)
Sent: Wednesday, September 30, 2015 9:35 AM
To: Baird, Richard (GOV)
Subject: Flint water background information

Hi Rich,

These are two documents that I think are helpful addressing the questions about lead and Flint water overall, prepared by DEQ and DHHS. These were intended for internal use, so please ask our partners to not share them beyond the people on their teams making the decisions.

Please let me know if you need anything else.

Dave

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder

MurrayD1@michigan.gov
517-335-6397, office
[redacted]
Twitter:@michigandmurray

Frequently Asked Questions:
Water Lead Levels in the City of Flint
September 2015

How can lead get into drinking water?
Lead detections in Flint drinking water exist at the home level. Sampling at the Flint Water Treatment Plant has shown no lead in its treated water. However, this contaminant leaches into water from a home's lead service lines, lead solder, and leaded plumbing materials including fixtures, faucets, and fittings.

Does the city meet federal drinking water standards for lead and copper?
Yes, the city is meeting state and federal guidelines for lead and copper.

The City of Flint has regularly monitored for lead and copper since federal law began requiring it in 1991.

When the City changed water sources in May 2014, state and federal law required the city to sample for lead and copper for a full year to determine how the water may be interacting with residential lead plumbing to increase lead levels. While the city's results show residential lead levels below the federal threshold for immediate response activities, Flint is moving quickly to optimize corrosion control measures in its water system.

Some individual homes showed high numbers for lead. Isn't that a concern?
For the homeowner, yes it is. There is no "safe" level for lead, and while the leading cause of lead poisoning around the country is lead paint, any source of lead ingestion is worthy of concern.

But the State and federal guidelines for lead and copper acknowledge an important reality: Any home that has a lead service connection or lead plumbing will impart some varying amount of lead into the home's water. The only way to eliminate lead in a home water system is to remove lead plumbing or replace lead service connections to the city system.

The lead and copper rule requires the local operator to sample dozens, sometimes hundreds of homes in the service area to get a general sense of how the water supply is interacting with lead plumbing and service connections. The tests are done specifically at homes with lead service connections. Individual results vary and all participants are

Are there other ways the city monitors for lead exposure?
The County Health Department, overseen statewide by the Michigan Department of Health and Human Services, regularly monitors blood levels in children throughout Michigan communities. The leading cause of lead poisoning is exposure to lead paint.

Blood lead level testing results for the 12-month period just after the City of Flint changed its water source (May 2014 – April 2015) showed no significant change in the pattern of blood lead levels in Flint, compared to the previous three years. This data suggests the recent change in water source by the City of Flint has not contributed to an increase in lead exposure throughout the community.

How does the state decide if the water is creating a lead problem?
Compliance with the federal lead rule is based on a 90th percentile calculation. If more than 10 percent of samples report lead above the federal action level of **15 parts per billion**, a water supply has an "action level exceedance." An exceedance is not a violation. It triggers other requirements which could include public notification, additional water quality sampling, and possibly further treatment.

While some of Flint's individual samples exceeded the 15 parts-per-billion lead action level, compliance is based on **the 90th percentile of samples**. The City of Flint's 90th percentile level has ranged between 0 parts per billion in 2008 and 2011, and 15 parts per billion in 1992, but never exceeded the action level.

The two most recent sampling periods, in 2014 and 2015, were 6 parts per billion and 11 parts per billion, respectively.

Did the city use <u>every</u> sample they got back?
Sampling requirements for lead and copper are designed to target the most common pathways to lead ingestion in homes with the least protection. The sample must be collected from a commonly used kitchen or bathroom tap, and in accordance with the provided sampling instructions. Homes that employ filtration or additional treatment cannot be included. Samples must also be collected within the established monitoring period.

I have a lead service connection or lead plumbing. What should I do?
Replacement is the only way to eliminate lead exposure. However, here are some interim steps homeowners can take to reduce it:

Flush pipes before drinking, and only use cold water for consumption.

The more time water has been sitting in your home's pipes, the more lead it may contain. When water in a particular faucet has not been used for six hours or longer, "flush" cold-water pipes by running the water until it becomes as cold as it will get. This could take five to 30 seconds if there has been recent water use elsewhere in the home, such as showering or flushing toilets. Otherwise, it could take two minutes or longer.

Use only water from the cold-water tap for drinking, cooking, and especially for making baby formula. Hot water is likely to contain higher levels of lead.

Who is responsible for replacement of leaded materials?

Replacement of service pipes on private property and any leaded plumbing materials within the home is a **homeowner's responsibility**. The City of Flint owns the service pipe from the water main to the curb stop valve, and that is **the City's responsibility**. This valve is normally located two feet in from the street curb. From there to the house is private property and the responsibility of the homeowner.

Why doesn't the city at least replace its portion of lead service lines?

Partial lead service line replacement has been shown to mobilize more lead and make the situation worse. Only full lead service line replacement has been demonstrated effective in achieving long-term reductions in drinking water lead levels.

What is the City's timeline for installation of corrosion control treatment?

The federal government allows the steps to complete the installation of optimal corrosion control treatment and follow-up monitoring to take up to five years.

However, the City of Flint has committed to completing installation of Optimized Corrosion Control Treatment in **less than six months**.

What will happen when Flint joins the Karegnondi Water Authority next year?

The City has committed to having Optimized Corrosion Control Treatment in place prior to its connection with the Karegnondi Water Authority (KWA). The water provided by KWA will come from a new source, Lake Huron. The city will continue its lead and copper sampling every six months. Additionally, the city's water treatment plant will continue to operate with uninterrupted Optimized Corrosion Control Treatment.

How long would it take to replace lead service lines throughout Flint?

The city has about 32,900 service connections in total. **More than 15,000** of these connections are considered lead service lines. Even if many crews were contracted, it would likely take up to 15 years to complete this work.

What would it cost to replace the lead service line at my house?

Average costs to replace a lead service line at an individual home range from $2,000 to $8,000. Costs vary depending on the length and size of service line that is needed, as well as the ground cover and soil conditions encountered.

With more than 15,000 lead service lines at an estimated average cost of $4,000 for each replacement, total cost could **be $60 million or more**.

Blood Lead Levels in Flint background information
September 24, 2015

- Promoting the health of our residents is a statewide priority – a priority that includes ensuring clean, safe drinking water for all residents and especially children.
- The results of the Hurley Children's Hospital are under review by the Michigan Department of Health and Human Services.
- The analysis that Hurley conducted is different from the way MDHHS has analyzed data regarding blood lead levels in Flint.
- MDHHS is looking to see if we can replicate the results of the Hurley study to see how they achieved their results.

MDHHS Blood Lead Testing Results in Flint

- MDDHS data shows a comprehensive look at the data since 2010, years before the change in Flint's water source occurred in April 2014.
- Each year shows a seasonal increase in childhood lead poisoning in the summer months, the highest seasonal increase of which occurred in 2010.
- If elevated blood lead levels were being driven by the change in water, we would expect to see the elevated levels remain high after the change in water source, rather than follow the seasonal pattern as they did by decreasing in the fall months.
- All data included in the MDHHS analysis were reported by laboratories directly to MDHHS, in accordance with State Law.

Differences in Analysis

- MDHHS data provides a much more robust picture of the entire blood lead levels for the Flint area, and specifically, accounts for data over the full course of the past five years.
- Looking at the past five years as a whole provides a much more accurate look at the seasonal trends of lead in the area.
- Seasonal exposure is higher in the summer for a variety of reasons including children playing outside in the soil, and when windows are open and lead paint is more likely to be in the air. This seasonal increase would be unrelated to the water system.
- Our data includes children from the entire city, including all medical facilities, rather than just Hurley, has a larger age group of children, and includes a much larger sample size.
- The MDHHS analysis looks specifically at the first elevated blood lead level for each child, which provides an accurate picture of when first exposure occurred.
- The Hurley data includes a smaller sample size, much more limited time period (January-September of 2013 and 2015 only), and a smaller age group of children.

WIC Children

- In homes with infants on WIC, if the household has documentation from an official source of unsanitary water supply issues, that family may be eligible to receive ready-to-feed formula. Families should contact WIC to see if they are eligible.
- Each household would have to be looked at on an individual basis.
- WIC cannot cover bottled water.

From: Hollins, Harvey (GOV)
Sent: Friday, March 28, 2014 10:45 AM
To: Larkin, Brian (GOV); Clayton, Stacie (GOV)
Subject: Re: MLive.com: State says Flint hasn't applied for permit to use river as drinking water source

Kind of a little oversight. Please contact Wayne Workman re the solution and let me know.

Best,
Harvey Hollins

-----Original message-----
From: "Larkin, Brian (GOV)" <larkinb@michigan.gov>
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Clayton, Stacie (GOV)" <claytons3@michigan.gov>
Sent: Fri, Mar 28, 2014 11:36:08 GMT+00:00
Subject: MLive.com: State says Flint hasn't applied for permit to use river as drinking water source

FYI

A story from the iPad edition of the MLive.com:

State says Flint hasn't applied for permit to use river as drinking water source

Download more MLive.com apps from the iTunes Store today!

Brian Larkin
Associate Director
Governor's Office of Urban and Metropolitan Initiatives
(810) 820-1807

125 E Union St.
Flint, MI 48502

From: Hollins, Harvey (GOV)
Sent: Friday, September 19, 2014 8:23 AM
To: Murray, David (GOV)
Subject: Per our conversation
Attachments: Boil Water Advisory Review_White paper.docx

Best,
Harvey Hollins

City of Flint
September 5th 2014 Boil Water Advisory Review

OVERVIEW

- On Friday September 5th the City of Flint issued a boil water advisory to residents in two of ten test areas around the city.
- The advisory was due to multiple positive tests for "total coliform" and the area covered approximately 9 square miles.
- On Sunday September 7th the City expanded the advisory to include another of the ten test areas due to a subsequent positive test.
- The boil water advisories were lifted on Tuesday September 9th at 5:00 after consultation with the DEQ.

BACKGROUND

- State of Michigan Regulations requires that the City of Flint Water Treatment Plant perform testing of its water distribution system on a routine basis in ten different locations around the City.
- The tests take twenty four hours to produce valid results and are sent directly to the Department of Environmental Quality for review.
- Test results which show positive for "Ecoli" or "fecal coliform" trigger boil water notices for the test area and the advisories usually remain in effect until three consecutive tests return negative results.
- A single positive test for "total coliform" does not generally result in a boil water advisory, rather it indicates that the environment is conducive for bacteria.
- Typically, investigation into possible causes followed by corrective measures such as flushing the affected area with open hydrants will cleanse the system.
- This process is overseen by an employee who is required to hold an F-1 State License and is listed as the Operator in Charge of the Water Plant and an employee who holds an S-1 State License which is required to maintain distribution systems of this municipal size.
- The City of Flint has over 500 miles of pipe in its distribution system, much of which is over 70 years old.
- The City of Flint has over ten-thousand valves throughout its distribution system.
- The City of Flint has a professional reliability study of its system, that was updated in December 2013.

PROBLEM

- ❖ After detecting the initial positive test for total coliform, normal procedures did not clear the condition and multiple positive tests ensued.
- ❖ The continued positive total coliform tests were the cause for issuing the boil water notice.
- ❖ Additional discoveries showed that residual chlorine levels in the affected area were considerably lower than normal.

SOLUTION

- ✓ On Monday September 8th the City convened all licensed personnel, Utility Supervisors, and DPW Director to a single meeting location and held a brainstorming session with the DEQ on conference call.
- ✓ It was agreed that while not totally isolated, the concern was mainly present in a specific large transmission line that ran through all positive testing areas.
- ✓ It was determined to expand the hydrant flushing outside of the immediate impact area.
- ✓ It was found that a 24" valve which feeds this transition main was broken in the OFF position outside of the immediate impact area.
- ✓ The broken valve was preventing fresh water from being pushed directly into the impacted area while causing water to travel from the water plant around the entire city and preventing adequate circulation of fresh water.
- ✓ In repairing the broken valve, virtually all of the symptoms were erased over a 24 hour period and the chlorine count has steadily risen back to normal levels throughout the transmission main.

CONCLUSION

- ✓ The City was in direct contact with DEQ personnel daily.
- ✓ The positive tests were for "total coliform" only.
- ✓ The following statement about total coliform was approved by the DEQ and made in writing to the public as part of the recent boil water.

Total coliform bacteria are generally not harmful themselves. Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present.
Usually, coliforms are a sign that there could be a problem with the treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or E. coli, are present. We did not find any of these bacteria in our subsequent

testing. If we had, we would have notified you immediately. However, we are still finding coliforms in the drinking water.

- ✓ The City of Flint is in the first year of strategic budgetary investment in an infrastructure strategy.
- ✓ The City of Flint infrastructure strategy has been, and will continue to be developed with state licensed employees, industry experts, and proven experienced consultants.

From: Hollins, Harvey (GOV)
Sent: Friday, September 19, 2014 8:25 AM
To: Wyant, Dan (DEQ)
Subject: Flint
Attachments: Boil Water Advisory Review_White paper.docx

Dan,
What is DEQ's take on this?

Best,
Harvey Hollins

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September 5th 2014 Boil Water Advisory Review

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From: Hollins, Harvey (GOV)
Sent: Tuesday, February 10, 2015 11:45 AM
To: Muchmore, Dennis (GOV)
Subject: [redacted] Flint

Chief:

[redacted]

Flint water: on the senior staff call yesterday, you mentioned that you would be distributing Treasury's assessment to the group. I haven't seen anything from Treasury on this, do you have the information requested?

Best,

Harvey

From: Hollins, Harvey (GOV)
Sent: Sunday, February 15, 2015 10:46 PM
To: Saxton, Thomas (Treasury); Baird, Richard (GOV); Muchmore, Dennis (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: RE: Re: Flint

Tom,
Thanks. I'd like to get such a table out to the Flint stakeholders; however, before doing so, the table probably needs to be modified to better reflect the comparison between Flint River and DWSD.

--HH

From: Saxton, Thomas (Treasury)
Sent: Friday, February 13, 2015 8:10 PM
To: Baird, Richard (GOV); Muchmore, Dennis (GOV); Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: Re: Re: Flint

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The city and Genesee County are partners in the KWA.

.

Real Estate

From: Baird, Richard (GOV)
Sent: Thursday, February 12, 2015 11:34 PM
To: Muchmore, Dennis (GOV); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Fwd: Re: Flint

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Robert Daddow <daddowr@oakgov.com>

Date: Feb 12, 2015 11:32 PM
Subject: Re: Flint
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

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>
> Hope this helps . . .
> ---
> Bart Foster
> President
> THE FOSTER GROUP
> (913) 345-1410
> (913) 345-1640 fax
> [redacted]cell
> bfoster@fostergroupllc.com <mailto:bfoster@fostergroupllc.com>
> *Please note that the information in this message along with any attachments are intended for the exclusive use of the addressee and may contain confidential or privileged information. If you are not the intended recipient, please do not forward, copy or print the message or its attachments: notify me at the above address and delete this message and any attachments.*
> *Thank you.*
>
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From: Hollins, Harvey (GOV)
Sent: Monday, February 16, 2015 5:21 PM
To: 'Elizabeth Murphy'
Cc: 'Clayton, Stacie (GOV)'
Subject: RE: Flint Water Advisory Committee

Liz,
Thanks for the invite. I am willing to participate; however, I would like to speak with the EM first. Stacie will contact you tomorrow.
Best,
HH

From: Elizabeth Murphy [mailto:emurphy@cityofflint.com]
Sent: Monday, February 16, 2015 3:30 PM
To: Hollins, Harvey (GOV)
Subject: Flint Water Advisory Committee

Dear Mr. Hollins,
The City of Flint is creating a Water Advisory Committee and you are invited to participate. Please see the attached letter for more details.

We look forward to your agreement to participate by responding to Mayor@cityofflint.com by Friday, February 20, 2015.

--
Liz Murphy
Assistant to the Emergency Manager
City of Flint
810 237 2025

From: Hollins, Harvey (GOV)
Sent: Wednesday, February 18, 2015 2:35 PM
To: Gerald Ambrose (gambrose@cityofflint.com)
Subject: FW: Re: Flint
Attachments: DWSD Switch Impact.xlsx

From: Hollins, Harvey (GOV)
Sent: Wednesday, February 18, 2015 10:22 AM
To: Saxton, Thomas (Treasury); Baird, Richard (GOV); Muchmore, Dennis (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: RE: Re: Flint

Tom,
What are the total revenues collected from water and sewer rates for the following months: 9/14, 10/14, 11/14, 12/14?

To get a handle on the last table you sent Friday that was attached to your communication below, I attached an excel spreadsheet to help me understand this better. The yellow highlighted cell is where I need data filled in. I broke up the potential reduction ($3m and $8.4m) and spread them into the monthly and annual even though is sounds like the $8.4 million for professional services is a one-time or short-term expense. The pink highlight is the % increase in rates base on the table you sent last Friday which is different from the 24% rate increase I calculated…so where did I error?

Assuming there are fixed costs in the current rates via the Flint river, what are they?

Thanks,
Harvey

From: Hollins, Harvey (GOV)
Sent: Sunday, February 15, 2015 10:46 PM
To: Saxton, Thomas (Treasury); Baird, Richard (GOV); Muchmore, Dennis (GOV)
Cc: Workman, Wayne (TREASURY)
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Cc: Workman, Wayne (TREASURY)
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☒ Real Estate

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Bart Foster
President
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(913) 345-1640 fax
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Please note that the information in this message along with any attachments are intended for the exclusive use of the addressee and may contain confidential or privileged information. If you are not the intended recipient, please do not forward, copy or print the message or its attachments: notify me at the above address and delete this message and any attachments.
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	B	C	D	E	F	G	H
2		Current Operations		DWSD Reconnect		Impact on Switch to DWSD on the FY 15 Flint Budgeted Water Revenue Set at $37,000,000	% Rate Increase needed to adjust to DWSD Switch
3		Monthly	Annual	Monthly	Annual		
4	Water Usage MCF	71,594	859,128	71,594	859,128		
5	Price Per MCF			$ 14.92	$14.92		
6							
7	Cost of Water Usage per MCF			$ 1,068,182.48	$ 12,818,189.76	$ 12,818,189.76	34.64%
8	Fixed Charge/Month			$ 846,700.00	$ 10,160,400.00	$ 22,978,589.76	62.10%
9	Flint Incremental Cost of Treatment Plant Operation (to continue as a back-up only)	$ 239,587.00	$ 2,875,044.00	$ (239,587.00)	$ (2,875,044.00)	$ 20,103,545.76	54.33%
10	Flint Set aside	$ 250,000.00	$ 3,000,000.00	$ (250,000.00)	$ (3,000,000.00)	$ 17,103,545.76	46.23%
11	Flint Professional Services	$ 700,000.00	$ 8,400,000.00	$ (700,000.00)	$ (8,400,000.00)	$ 8,703,545.76	23.52%
12	Cost of Water/Month Avg.			$ 725,295.48	$ 8,703,545.76	$ 8,703,545.76	23.52%
13							
14	Rate Increase if the New Fee Collection Level to Handle DWSD Additional Cost was $48,403,542					$ 11,403,542.00	30.82%

From: Hollins, Harvey (GOV)
Sent: Wednesday, February 18, 2015 3:08 PM
To: Saxton, Thomas (Treasury)
Subject: FW: Re: Flint

Tom,
FYI...I copied Ambrose on this request.
Harvey

From: Hollins, Harvey (GOV)
Sent: Wednesday, February 18, 2015 10:22 AM
To: Saxton, Thomas (Treasury); Baird, Richard (GOV); Muchmore, Dennis (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: RE: Re: Flint

Tom,
What are the total revenues collected from water and sewer rates for the following months: 9/14, 10/14, 11/14, 12/14?

To get a handle on the last table you sent Friday that was attached to your communication below, I attached an excel spreadsheet to help me understand this better. The yellow highlighted cell is where I need data filled in. I broke up the potential reduction ($3m and $8.4m) and spread them into the monthly and annual even though is sounds like the $8.4 million for professional services is a one-time or short-term expense. The pink highlight is the % increase in rates base on the table you sent last Friday which is different from the 24% rate increase I calculated…so where did I error?

Assuming there are fixed costs in the current rates via the Flint river, what are they?

Thanks,
Harvey

From: Hollins, Harvey (GOV)
Sent: Sunday, February 15, 2015 10:46 PM
To: Saxton, Thomas (Treasury); Baird, Richard (GOV); Muchmore, Dennis (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: RE: Re: Flint

Tom,
Thanks. I'd like to get such a table out to the Flint stakeholders; however, before doing so, the table probably needs to be modified to better reflect the comparison between Flint River and DWSD.

--HH

From: Saxton, Thomas (Treasury)
Sent: Friday, February 13, 2015 8:10 PM

To: Baird, Richard (GOV); Muchmore, Dennis (GOV); Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: Re: Re: Flint

You may have already seen this (below) blurb from MLive. Also, I had a call from Jerry A. He indicated Veolia is coming to the same conclusion that it may involve tweaking of the process vs some major undertaking. We will know more next week.

I have also attached a table Wayne's & Jerry's staff put together. My sense is there is still this thought that hooking back up to DWSD is cost neutral or nearly so. Hopefully this table shows that is not the case. The info is consistent with we sent you the other day i.e., there is an estimated 30% rate impact.

FLINT, MI – A water quality expert who has spent years working with environmentalist Erin Brockovich is expected to speak at two events in Flint Saturday, Feb. 14.
Robert W. Bowcock, founder of Integrated Resource Management, met with Mayor Dayne Walling, Councilman Wantwaz Davis and others Friday, Feb. 13.
Bowcock said earlier this week that he believes small treatment and distribution adjustments could help fix some of Flint's water quality problems. He toured the city's water treatment plant Friday.
Walling declined to comment on his conversation with Bowcock, but city Councilman Eric Mays said he is anxious to hear his assessment and recommendations.
Davis said Bowcock was straightforward in giving his opinion that the city can cut back on some of the chemicals being used to treat water.
City spokesman Jason Lorenz issued a statement, saying, "The city of Flint honored a request for a tour of its water treatment plant submitted by Mr. Bowcock, as it has done with individuals and groups in the past.
"(Director of Public Works) Director Howard Croft and F-1 Licensed Treatment Operator Mike Glasgow guided the tour and answered all of Mr. Bowcock's questions. Tours of the Water Treatment Plant can be arranged by appointment for interested groups by calling 810-787-6537."
Bowcock is scheduled to join in a march for water quality through downtown Flint, which is planned to begin at 1 p.m. Saturday at Flint City Hall, 1101 S. Saginaw St., and end at The Durant.
Bowcock is also scheduled to speak at a forum at the Saints of God Church, 2200 Forest Hill Ave., Flint, from 3-4:15 p.m.
Brockovich, portrayed by Julia Roberts in a 2000 movie about her fight over the pollution of a California town, has been speaking out on Facebook about Flint's water issues for several weeks.

Today, she posted a photo of Bowcock, Davis and march organizer Melissa Mays inside the Flint water plant, saying she was "so honored this community would seek my help ... and I am glad I could send Bob to get it done."

In addition to customer complaints about the price and quality of the water, there were several boil water advisories in Flint in 2014 and the city was found in violation of the Safe Drinking Water Act for excess total trihalomethanes in the water supply last year.

The city began using the Flint River as its source of drinking water in April after 50 years of handling only the distribution of already-treated Lake Huron water purchased from the Detroit Water and Sewerage Department.

Since that time, some citizens and members of the City Council have advocated abandoning the use of the river and purchasing lake water from the Detroit until the Karegnondi Water Authority pipeline is complete.

The city and Genesee County are partners in the KWA.

.

☒ Real Estate

From: Baird, Richard (GOV)
Sent: Thursday, February 12, 2015 11:34 PM
To: Muchmore, Dennis (GOV); Saxton, Thomas (Treasury); Workman, Wayne (TREASURY)
Subject: Fwd: Re: Flint

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Robert Daddow <daddowr@oakgov.com>
Date: Feb 12, 2015 11:32 PM
Subject: Re: Flint
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

Should not have thought politically but financially in the first place. This is very doable. We need to chat. Rjd

On Feb 12, 2015, at 10:32 PM, Bart Foster <bfoster@fostergroupllc.com> wrote:

> Actually, my quick take is about 8%.
>
> Some background:
> When Flint left, the annual revenue profile for the Water System was initially reduced by $12.5 million, However, we immediately recalculated the rate for Genesee County (recognizing their higher demands), to effectively "claw back" about $2 million of the reduction, so the net Flint impact is ~ $10.5 million, or just under 2.5% of the (reduced) Water System rate revenue. Assuming that same amount could be replaced, and all else being equal, the "system

rate increase" could be reduced by about 3 percent, with a bit more of the reduction occurring in the suburban wholesale rate structure. Safe to say that (again, absent any other changes) the average suburban water rate increase would be closer to 8 percent compared to the current 11.1%.

Hope this helps . . .

--

Bart Foster
President
THE FOSTER GROUP
(913) 345-1410
(913) 345-1640 fax
[redacted]
bfoster@fostergroupllc.com <mailto:bfoster@fostergroupllc.com>

Please note that the information in this message along with any attachments are intended for the exclusive use of the addressee and may contain confidential or privileged information. If you are not the intended recipient, please do not forward, copy or print the message or its attachments: notify me at the above address and delete this message and any attachments.
Thank you.

On Feb 12, 2015, at 7:02 PM, Bart Foster <bfoster@fostergroupllc.com> wrote:

Bob - in transit but will review and reply this evening.

Sent from my iPhone

On Feb 12, 2015, at 3:44 PM, Daddow, Robert <daddowr@oakgov.com> wrote:

> Nikki / Bart – don't need a hard and fast number on this. However, it would seem to me that in a fixed cost system such as water, if Flint were to be hooked up again at the $847K / month cited in Ms. McCormick's January 12th memorandum and after the release of the rates yesterday, bringing Flint back would – on a marginal cost basis – serve to mitigate the wholesale (suburban) customer rate increase of 11.1% cited in yesterday's presentation. Without going into a whole lot of detailed calculations (unless necessary), what would the impact of the inclusion of Flint starting say on July 1, 2015 (hypothetical date) be on the rate increase presently now in the public? A revised increase of what – 10.6% - looking for a high level sensitivity analysis here. Can you help? RJD

From: Hollins, Harvey (GOV)
Sent: Friday, February 20, 2015 12:57 PM
To: Elizabeth Murphy
Cc: Gerald Ambrose; Workman, Wayne (TREASURY)
Subject: RE: Flint Water Cost Analysis

Ms. Murphy,
Thank you. The calculations in the table was provided by treasury and I was seeking clarification. I am not a water expert, but I learned that typically, most rates have two components.

1. Fixed-cost recovery charge
This charge is based on the size of the water meter at the home or business. Most residential customers will have a meter between 5/8$^{th's}$ of an inch and 1 inch.

2. Consumption Charge
This charge is based on the amount of water used. The rate for usage is determined by the distance and elevation of the home or business from the water source.

MCF is used in many place for calculating rates; however, since Flint is currently not using this calculation, what are the cost components that make up the $149 avg. monthly charge to the resident?

Best,
Harvey

From: Elizabeth Murphy [mailto:emurphy@cityofflint.com]
Sent: Thursday, February 19, 2015 9:49 AM
To: Hollins, Harvey (GOV)
Cc: Gerald Ambrose; Workman, Wayne (TREASURY)
Subject: Flint Water Cost Analysis

Mr. Hollins,
Jerry Ambrose asked me to respond to your request for more information on the Flint water cost analysis chart which you sent him yesterday. Please see the attached chart; it contains an added analysis by Jerry. The sections for which you asked for data can not be provided as we don't calculate prices in the manner you are comparing.

Jerry's chart clearly represents what Flint has been talking about - a major increase in water rates would be necessary to pay the additional charge to purchase DWSD water.

--
Liz Murphy

Assistant to the Emergency Manager
City of Flint
810 237 2025

From: Hollins, Harvey (GOV)
Sent: Friday, February 20, 2015 5:36 PM
To: Baird, Richard (GOV)
Subject: Re: Response to City of Flint Council Member Freeman

Thanks Rich. This confirms everything you said. If we switched back to DWSD I would want to get a handle on the rate. Hangs ancillaries in June 2015.

On Feb 20, 2015, at 4:32 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Daddow, Robert" <daddowr@oakgov.com>
Date: Feb 20, 2015 3:51 PM
Subject: FW: Response to City of Flint Council Member Freeman
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Saxton, Thomas (Treasury)" <SaxtonT@michigan.gov>
Cc:

FYI – just received the attached letter on Flint. RJD

From: Rechanda Willis [mailto:willis@dwsd.org]
Sent: Friday, February 20, 2015 3:23 PM
To: James Fausone; Robert Daddow
Subject: Response to City of Flint Council Member Freeman

Attached is copy of the response to City of Flint Council Member Joshua Freeman's February 3, 2015 letter.

Thank you

Rechanda L. Willis
Assistant to the Deputy Director/Chief Customer Service Officer
Detroit Water and Sewerage Department
735 Randolph Street - Room 506
Detroit, Michigan 48226
(313) 224-4785 (office)
(313) 224-6067 (fax)
willis@dwsd.org

<Flint.Councilmember Joshua M Freeman.Feb 19 2015.pdf>

From: Hollins, Harvey (GOV)
Sent: Thursday, February 26, 2015 11:16 AM
To: Gerald Ambrose
Cc: Workman, Wayne (TREASURY)
Subject: RE: Flint Water Advisory Committee

We'll do.

From: Gerald Ambrose [mailto:gambrose@cityofflint.com]
Sent: Thursday, February 26, 2015 11:03 AM
To: Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: Flint Water Advisory Committee

Good morning Harvey,

Glad to know that you have agreed to participate on the Advisory Committee. We have more than 40 individuals who have agreed to participate.

We extended an invitation to Rev. Harris as head of the Concerned Pastors on February 16. However, we did not receive any response. This morning we sent a notice of the meeting to all who were initially invited, including Rev. Harris. Can you confirm that Rev. Harris received the invitation and whether or not he or his designee will be participating?

Thanks!

Jerry Ambrose

From: Hollins, Harvey (GOV)
Sent: Thursday, February 26, 2015 11:29 AM
To: 'Clayton, Stacie (GOV)'
Subject: FW: Flint Water Advisory Committee Meeting Invitation

From: Elizabeth Murphy [mailto:emurphy@cityofflint.com]
Sent: Thursday, February 26, 2015 9:46 AM
Subject: Flint Water Advisory Committee Meeting Invitation

Thank you for your interest in participating in the Flint Water Advisory Committee. This committee has been formed to enhance the two-way communication between the City of Flint and our residents, businesses, and organizations. The committee will be made up of about 40 people who represent a wide variety of entities.

The first meeting will be held on **Thursday, March 5 from 2-4pm at the MTA Auditorium 1401 S. Dort Hwy. 48503**. This meeting will be facilitated and will be open to the public.

We look forward to your attendance and participation.

--
Liz Murphy
Assistant to the Emergency Manager
City of Flint
810 237 2025

From: Hollins, Harvey (GOV)
Sent: Thursday, February 26, 2015 11:29 AM
To: Workman, Wayne (TREASURY); Muchmore, Dennis (GOV); Baird, Richard (GOV)
Cc: Koryzno, Edward (Treasury); Saxton, Thomas (Treasury)
Subject: RE: Flint Water

Thank you.

From: Workman, Wayne (TREASURY)
Sent: Thursday, February 26, 2015 8:31 AM
To: Hollins, Harvey (GOV); Muchmore, Dennis (GOV); Baird, Richard (GOV)
Cc: Koryzno, Edward (Treasury); Saxton, Thomas (Treasury)
Subject: Flint Water

Harvey, Wanted to let you know I did get in touch with Jerry Ambrose last night and the City will be working on a side by side comparison of KWA vs DWSD and a simple explanation of the current finances of the water system. Hope the attachments Ed Koryzno sent again are helpful. One was the list of members in the new Water Advisory Committee and the second was the interim report from Veiola. Wayne

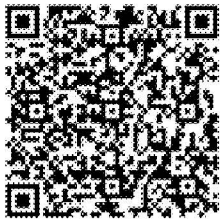
From: Hollins, Harvey (GOV)
Sent: Thursday, March 05, 2015 9:44 AM
To: Wurfel, Brad (DEQ)
Cc: Wyant, Dan (DEQ)
Subject: Items

Brad,
Per Monday's conference call, when can we expect to receive DEQ's review of the home filter units. Also, of the total notices/citations issued by DEQ to communities regarding drinking water around the state, what percent was issued to Flint in 2013 and 2104.

Best,

Harvey Hollins, Director
Office of Urban Initiatives

State of Michigan
Governor Rick Snyder
Executive Office
☎:: (313) 456-4994 (Office) | [redacted]
✉:: 3044 W. Grand Blvd | Suite 14-650 | Detroit, MI 48202



From: Hollins, Harvey (GOV)
Sent: Friday, March 06, 2015 9:48 AM
To: McNeely, Jacques (DTMB)
Subject: Fwd: Tap Filters

Fyi

Best,
Harvey

Begin forwarded message:

From: "Wurfel, Brad (DEQ)" <WurfelB@michigan.gov>
Date: March 5, 2015 at 4:26:25 PM EST
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Wyant, Dan (DEQ)" <WyantD@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>
Cc: "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>
Subject: FW: Tap Filters

Harvey,
Since group call Tuesday I have been working out how the filter idea might take shape.

To reiterate some key points so we're all clear:

1. DEQ does not inspect individuals' homes in a situation like this. It's the city's system, their operators handle all complaints and maintenance. In fact, our folks alerted me that the city's got union rules in place forbidding any contractor from touching the system.
2. DEQ's role is limited to ensuring the plant is operating to state standards and the water it produces meets potability standards. The aesthetic issues drawing concern from residents -- color, odor, taste -- stem from a variety of things. Age of the system and prolonged lack of upkeep is the leading factor. But in some areas, another contributing factor is changes in water flow -- source used to come from the south, now comes from the north, so some pipes are flowing in reverse, stirring up whatever was settled for a long time. In some sections, large pipes that historically served large communities are now serving a much smaller customer base, contributing to water stagnating in the system. In some areas, household connections are old and worn, so two neighbors may be having dramatically different experiences. My point is, the challenge takes many forms and there's no single solution that will bring sweeping change. The two consultants hired by the city have, as I understand it, both reinforced this idea in their assessments, so that's good.

3. The fix for this will be years in the making, truly. Even if full funding were available, 'big dig' projects can't all happen at once. The city needs to get an assessment of its infrastructure so it can prioritize its needs, and I understand they're working on that. In the near term, maintenance this spring / summer -- things like cleaning the pipes in key sections and flushing the system via the

hydrants – could offer some short term results. I know nobody wants to just wait for spring, but that is something important to keep in mind.

4. In the meantime, the group discussed possibly making home water filters available somehow. The National Safety Foundation is a Michigan company, headquartered and founded in Ann Arbor, that develops standards for all kinds of infrastructure. They're a globally recognized source for standard setting. A look at their site reveals there are myriad filtration options on the market and within each type (faucet mounted, whole house line filters, etc) there are filters that focus on different aspects of purification.

   If this idea begins to get legs, I'd suggest testing some different models on the local water at the customer level to see if they work. I'd also suggest the idea be focused on tap-mounted models to promote clean, appealing drinking water. And I'd suggest this program could be funded in whole or in part by the state, but would need to be administered by the city (reinforcing the fact that they own, operate and service the system). I've got some information on filter models below.

   Two more considerations: One, while the state has provided residents in some communities with bottled water in the past, it always has to do with their water being somehow contaminated – as in, some kind of chemical plume that impaired local drinking water sources. This would be the first time the state took steps to deal with what is an aesthetic issue on a system where the water is meeting state drinking water standards.

Water filter info:
ANSI NSF Standard 42 Covers bacteriostasis, taste and odor (associated only with chlorine removal), and other aesthetic conditions
http://standards.nsf.org/apps/group_public/download.php/19895/NSF_42-11%20-%20watermarked.pdf

ANSI NSF Standard 53 Covers health effects removal
http://standards.nsf.org/apps/group_public/download.php/19896/NSF_53-11a%20-%20watermarked.pdf

It is important to note that the filters are not required to meet all aspects of the standard, only the portions they want to make claims for. So product information for each filter must be reviewed to determine its applicability.

Most of these point of use filters are basic activated carbon filters that simply remove taste and odor specifically associated with chlorine, not other things like iron, manganese, hydrogen sulfide, etc. that can also impact taste and odor as well as color.

It is important to recognize that taste and odor is generally an individual preference and such standards have for the most part not been developed because groups of individuals may still consider taste and odor issues to exist even after levels for such a standard have been met.

Other considerations are that the test water for such filters attempting to meet the standard uses hardness levels of 170 mg/L or less. Flint's water at times may be above this level, which could then impact filter performance and longevity.

Most of these filters are designed to be replaced after 100 gallons or less of use, a period of about 3 months for most households. In addition the tests allow for initial pressure drops of up to 15 psi. This may limit use in households that already rely on minimum pressure within their household plumbing.

Regarding the health effects standards, as the Flint water system already meets such requirements, with the exception of the current TTHM locational running annual average, there is little point to the use of these filters for such a purpose.

To the point you'd asked about the other day, while Flint and Detroit are leading examples of unmaintained infrastructure, Flint is not alone by any means.

This recent infrastructure report card
http://www.infrastructurereportcard.org/michigan/michigan-overview/
Lists Michigan with a $13.8 Billion need over the next 20 years.

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Here's a link to the 2009 Report Card for Michigan Infrastructure
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From the report:

"A significant portion of the state's primary distribution system is nearing 100 years old. CWS are facing a significant challenge to maintain the vast network of aging, underground infrastructure. Within the city of Detroit alone, approximately 80% of its distribution piping was installed prior to 1940, which is not unusual for CWS in Michigan."

"The age of the majority of the state's distribution system is the primary contributor to normal decay and failure. In many cases, pipe life has far exceeded useful service life. Much of the older water systems consist of undersized mains constructed of materials such as unlined cast iron pipe. Minor fluctuations in system flows or pressure may cause red water complaints and even result in pipe failure. All CWS should have routine flushing and valve maintenance programs; however many are hesitant due to the time and cost."

"Under the Stage 2 Disinfection Byproducts Rule, all CWS that disinfect are required to provide increased trihalomethane (THHM) and haloacetic acid (HAA5) monitoring due to the potential byproducts of chlorine reactions within the pipe system. Corrosion, scale, solid suspension on the interior sidewall of pipe, in addition to the age and condition of the system will require diligent rehabilitation investment to maintain system integrity."

"While better materials and advanced technology is available to replace the aging distribution system, resources remain scarce when compared with the magnitude of the rehabilitation task at hand. Too often, distribution system replacement costs are underfunded and the first item to be slashed when budget problems arise. Overall, distribution system maintenance is reactionary in much of the older systems. Since the majority of the antiquated system will require removal and replacement beyond the

CWS funding resources for systematic upgrade, a reactionary rehabilitation program is inevitable and must be funded accordingly."

Call or email me if you need anything further.
b

Brad Wurfel
Communications Director
Michigan Department of Environmental Quality
517-284-6713
[redacted] cell

From: Hollins, Harvey (GOV)
Sent: Friday, March 06, 2015 9:53 AM
To: Workman, Wayne (TREASURY); Saxton, Thomas (Treasury); Clayton, Stacie (GOV)
Subject: Fwd: Tap Filters

Stacie,
Brad sent this to part of the group on the call yesterday. I added Tom and Wayne from treasury. If I missed anyone else, please forward this to them.

Best,
Harvey

Begin forwarded message:

> **From:** "Wurfel, Brad (DEQ)" <WurfelB@michigan.gov>
> **Date:** March 5, 2015 at 4:26:25 PM EST
> **To:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Wyant, Dan (DEQ)" <WyantD@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>
> **Cc:** "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>
> **Subject: FW: Tap Filters**
>
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"The age of the majority of the state's distribution system is the primary contributor to normal decay and failure. In many cases, pipe life has far exceeded useful service life. Much of the older water systems consist of undersized mains constructed of materials such as unlined cast iron pipe. Minor fluctuations in system flows or pressure may cause red water complaints and even result in pipe failure. All CWS should have routine flushing and valve maintenance programs; however many are hesitant due to the time and cost."

"Under the Stage 2 Disinfection Byproducts Rule, all CWS that disinfect are required to provide increased trihalomethane (THHM) and haloacetic acid (HAA5) monitoring due to the potential byproducts of chlorine reactions within the pipe system. Corrosion, scale, solid suspension on the interior sidewall of pipe, in addition to the age and condition of the system will require diligent rehabilitation investment to maintain system integrity."

"While better materials and advanced technology is available to replace the aging distribution system, resources remain scarce when compared with the magnitude of the rehabilitation task at hand. Too often, distribution system replacement costs are underfunded and the first item to be slashed when budget problems arise. Overall, distribution system maintenance is reactionary in much of the older systems. Since the

majority of the antiquated system will require removal and replacement beyond the CWS funding resources for systematic upgrade, a reactionary rehabilitation program is inevitable and must be funded accordingly."

Call or email me if you need anything further.
b

Brad Wurfel
Communications Director
Michigan Department of Environmental Quality
517-284-6713
[redacted]cell

From: Hollins, Harvey (GOV)
Sent: Tuesday, March 17, 2015 4:32 PM
To: Thelen, Mary Beth (DEQ)
Subject: Re: SDWA Violations - Flint

Thank you

Best,
Harvey

On Mar 17, 2015, at 11:38 AM, Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov> wrote:

> Dear Harvey,
>
> Director Dan Wyant asked that I send you the following information regarding Flint.
>
> As requested, the following information has been gleaned from our database regarding violations:
>
> In calendar years 2013 and 2014, we've identified 1100 violations (200 are standards violations, i.e., MCLs; and 910 other violations).
>
> This represents 326 community water supplies that had violations over these two years.
>
> Flint has 5 violations in those 2 years (TTHM MCLs at 2 sites and 2 bacti MCLs (1 with E. coli that counts as an additional violation)).
>
> Please let us know if you need anything further. Thank you.
>
> Mary Beth
>
> Mary Beth Thelen
> Management Assistant to Director Dan Wyant
> Department of Environmental Quality
> Constitution Hall, 6th Floor South
> Phone: 517-284-6712 or 284-6700 (new numbers)
> Fax: 517-241-7401
> Thelenm2@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Tuesday, March 17, 2015 4:47 PM
To: Thelen, Mary Beth (DEQ)
Cc: Wyant, Dan (DEQ); Wurfel, Brad (DEQ); Clayton, Stacie (GOV); Sygo, Jim (DEQ)
Subject: Re: City of Flint Information - Consultants

Thank you. Has anyone from DEQ talked with them? Do they know I will be calling?

Best,
Harvey

On Mar 17, 2015, at 9:54 AM, Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov> wrote:

> Good Morning Harvey,
>
> The consultants listed below are working with Flint and are in the best position to recommend a water filter system. The locals should be asked to use their consultants to recommend a technology.
>
> Warren Green with Lockwood, Andrews & Newman, Inc.
> [redacted]
>
> and
>
> Marvin Gnagy with Veolia North America
> [redacted]
>
> Thank you.
>
> Dan Wyant
> Director
>
> ---
>
> Mary Beth
>
> Mary Beth Thelen
> Management Assistant to Director Dan Wyant
> Department of Environmental Quality
> Constitution Hall, 6th Floor South
> Phone: 517-284-6712 or 284-6700 (new numbers)
> Fax: 517-241-7401

Thelenm2@michigan.gov

Subject:	Flint Water Meeting
Location:	Sterling Corporation in the Hollister Building, 106 W. Allegan, Suite 2, Lansing, MI
Start:	Mon 3/9/2015 12:00 PM
End:	Mon 3/9/2015 1:00 PM
Show Time As:	Out of Office
Recurrence:	(none)
Meeting Status:	Meeting organizer
Organizer:	Hollins, Harvey (GOV)
Required Attendees:	'Maxine Murray'; Thelen, Mary Beth (DEQ); 'Gerald Ambrose'; Clayton, Stacie (GOV); Wurfel, Brad (DEQ); Shekter Smith, Liane (DEQ)
Optional Attendees:	Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ); 'Natasha Henderson'

Attendees

Harvey Hollins, Director, Governor's Office of Urban and Metropolitan Initiatives
Gerald Ambrose, Flint Emergency Manager
Natasha Henderson, Flint, City Manager
Liane Shekter Smith, Chief, Office of Drinking Water and Municipal Assistance (DEQ)
Stephen Busch, Office of Drinking Water and Municipal Assistance (DEQ)

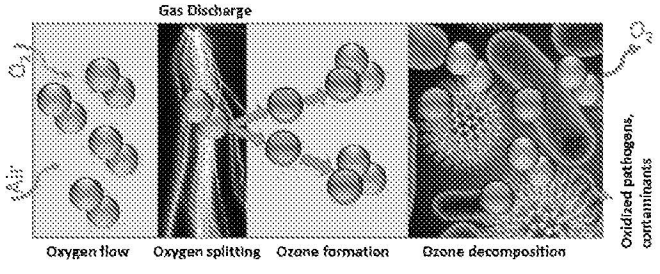
SomnioGlobal_Ozone disinfectio…

Brad Wurfel, Director of Communications (DEQ)

Chemical Free Water Disinfection by Ozone

Today about 98% of water treatment facilities in the U.S. use some form of chlorine to disinfect drinking water supplies. It is a cost effective method for destroying potentially harmful bacteria and viruses. However, chlorine's ability to interact with organic compounds in water leads to trihalomethanes (THMs) formation. Especially, river or lake water with high level of organic matter require heavy chlorination to combat high level of bacteria, resulting in dangerous levels of THMs and bad smell. THMs, when ingested can encourage the growth of free radicals that can destroy or damage vital cells in the body. Besides cancer, exposure to THMs has been linked to other health issues including asthma, eczema, heart disease and higher miscarriage and birth defect rates. Further, high level of chlorine also poses serious risk to the aging infrastructure.

Chemical free water disinfection technologies such as UV light and ozone have long been recognized to be much safer than chlorination, however, their high cost has prevented wider adoption. The basic mechanism of ozone generation and disinfection is shown in the picture. Ozone has a high oxidation potential (much higher than chlorine) and a superior response time compared to other sanitizing products. Its high oxidizing potential enables ozone to break down organic matters that chlorine cannot. Some pollutants can only be oxidized by ozone. For example, ***Cryptosporidium Parvum***, a drinking water pollutant, is resistant to most disinfectants, but is effectively destroyed by ozone. Most importantly, the emission from ozone is pure oxygen and it leaves no residues.



UV light is a competing non-chemical sterilization technique. Intense UV rays break down the sensitive RNA and/or DNA of microorganisms, thus preventing the organism from reproducing. Ozone, on the other hand, oxidizes the microorganisms, thus destroying their cells completely. UV sterilization being a line of sight process, to be effective, one needs to remove most of the suspended matter prior to the treatment. In contrast, ozone oxidizes the soil or particulate matter, changing or destroying the chemistry of the soiling materials such as organic compounds.

Despite the great benefits of ozone, its widespread adoption is limited due to the high total ownership cost of current commercial ozone generators. Somnio's $AiR_2O_3^{TM}$ ozone generator is a paradigm shift in ozone generation technology. The first and only commercial barrier less ozone generator eliminates the requirement of dielectric barriers and highly filtered dried oxygen (pure or enriched) supplies, which restrain current commercial ozone generators. This groundbreaking technology brings a market-competitive, robust, energy efficient, and scalable modular device that offers a financially attractive alternative with the capability of producing varying levels of ozone depending on the application at hand.

Producing ozone cost effectively is only part of the greater story of the far reaching benefits of ozone. Applying ozone effectively for a given application requires careful and intelligent design, sensing and monitoring. In addition to its revolutionary $AiR_2O_3^{TM}$ ozone generator, Somnio

collaborates with end users to provide complete and economical turnkey solutions. Somnio's current in-house test plant incorporates all necessary safety features and automation.

Subject: Flint Water Advisory Committee Meeting
Location: 1026 E Kearsley St, Flint, MI 48503, Flint Public Library

Start: Thu 3/19/2015 1:00 PM
End: Thu 3/19/2015 3:00 PM
Show Time As: Free

Recurrence: (none)

Organizer: Hollins, Harvey (GOV)

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com
For Immediate Release
Water Advisory Committee to Hold Second Meeting at Flint Public Library on Thursday, March 19, 2015
Flint, Michigan – March 17, 2015 – The Water Advisory Committee formed to help aid in communication between the City and the community is holding its second meeting on Thursday, March 19, 2015 from 2:00-4:00pm at the Flint Public Library. The committee will be updated on the current status of improvements to the water system, the next steps to be taken including cost and timing estimates and formatted responses to questions asked at the previous meeting. In addition, the committee will be provided with a comprehensive budget overview with clear cost breakdowns.
The purpose of the Water Advisory Committee is to provide the community with ongoing information on the City's work to maintain a safe water supply and to improve quality. In addition to gathering information from the City to share during their interactions with the community, committee members will also be expected to share the concerns they receive from the community in order for those concerns to be addressed.
All meetings by the Water Advisory Committee will be open to the public and will be held at easily accessible locations throughout the city. Meetings will be held on a regular basis as work continues at least until the City is receiving its water from the Karegnondi Water Authority, which is anticipated to be in 2016.
Any group who has not received an invitation and who would like to have a member participate can send a request to mayor@cityofflint.com.
–END–

All,

I am sending everyone a copy of the press release that is being sent to the media this afternoon regarding the upcoming Flint Water Advisory Committee Meeting. Please take note that the venue for the meeting this Thursday March 19th is the Flint Public Library.

The meeting time is once again from 2:00 pm until 4:00 pm and we look forward to good participation.

Thank you,

--
Howard Croft
Public Works Director

City of Flint
1101 S. Saginaw Street
Flint, MI 48502
PH# 810.766.7135 Ext.2043
hcroft@cityofflint.com<mailto:hcroft@cityofflint.com>

Subject:	HH/DM & others Re: KWA (Flint Water)
Location:	Governor's Conference Room
Start:	Wed 8/26/2015 1:30 PM
End:	Wed 8/26/2015 2:00 PM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Clayton, Stacie (GOV)
Required Attendees:	Hollins, Harvey (GOV); Muchmore, Dennis (GOV); Workman, Wayne (TREASURY) (WorkmanW@michigan.gov); Saxton, Thomas (Treasury); Dempkowski, Angela (Treasury); Wendy Wisniewski (WisniewskiW@michigan.gov)

Call In: [redacted]
Access: [redacted]
Harvey will host

Attendees
Dennis Muchmore
Harvey Hollins
Tom Saxton
Wayne Workman -- via phone
Jeff Wright, Genesee Drain Commissioner and Chair of KWA
John O'Brien, Genesee Drain Deputy Commissioner
Dave Jansen, assistant to J. Wright

Agenda Items:
1) Financing of new water system
2) Governing of the new water system
3) Timeline for the build out of KWA

Subject: HH/EB Call re: Flint Water
Location: Eric will call [redacted]

Start: Mon 9/14/2015 10:15 AM
End: Mon 9/14/2015 10:30 AM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Clayton, Stacie (GOV)
Required Attendees: Hollins, Harvey (GOV); Brown, Eric (GOV)

Subject:	Call with Congressman Kildee re Flint Water RS/NL/DM/BM/SW/DW/HH
Location:	DM's Office
Start:	Mon 9/28/2015 10:30 AM
End:	Mon 9/28/2015 11:00 AM
Recurrence:	(none)
Meeting Status:	Meeting organizer
Organizer:	Hollins, Harvey (GOV)

Subject:	Sen. Ananich re Flint Water RS/NL/DM/BM/SW/DW/HH
Location:	DM's Office
Start:	Mon 9/28/2015 11:00 AM
End:	Mon 9/28/2015 11:30 AM
Recurrence:	(none)
Meeting Status:	Meeting organizer
Organizer:	Hollins, Harvey (GOV)

Subject: Conf Call Re: Flint Water

Start: Tue 9/29/2015 2:30 PM
End: Tue 9/29/2015 3:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Clayton, Stacie (GOV)
Required Attendees: amy.hovey@mail.house.gov; repphelps@house.mi.gov; swalser@senate.michigan.gov; cmushatt@house.mi.gov; Hollins, Harvey (GOV)

Call In: [redacted]
Access: [redacted]
Stacie will host

Participants

Harvey Hollins, Governor's Office
Rep. Sheldon Neeley
Rep. Phil Phelps
Amy Hovey, Congressman Kildee's Office
Andy Levit, Sen. Ananich's Office

Subject:	Flint Press Conference
Location:	Kettering University Innovation Center, 1300 Bluff St., Flint, MI 48504
Start:	Fri 10/2/2015 12:00 PM
End:	Fri 10/2/2015 1:00 PM
Show Time As:	Out of Office
Recurrence:	(none)
Organizer:	Hollins, Harvey (GOV)

Oct. 1, 2015

Michigan leaders to announce action plan for Flint drinking water

Friday, Oct. 2 at 1:30 p.m.
Local, state and federal leaders will host a press conference to announce a comprehensive action plan for addressing drinking water concerns in Flint. Participants will include:
• Harvey Hollins, Director of the Office of Urban Initiatives for Gov. Rick Snyder
• Dan Wyant, Director for the Michigan Department of Environmental Quality
• Nick Lyon, Director for the Michigan Department of Health and Human Services
• Dr. Eden Wells, Chief Medical Executive for the Michigan Department of Health and Human Services
• Dayne Walling, Mayor of Flint
• Other local, state and federal officials

Location:
Kettering University, Innovation Center
1300 Bluff St.
Flint, MI 48504

Subject:	RDS - REMARKS (AHeaton) Press Conference Re: Flint Water
Location:	Mott Foundation Conference Center, 503 S. Saginaw, Flint
Start:	Thu 10/8/2015 10:00 AM
End:	Thu 10/8/2015 10:42 AM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	GovCalendar
Required Attendees:	Agen, Jarrod (GOV); Biehl, Laura (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Hollins, Harvey (GOV); Clayton, Stacie (GOV); Lyon, Nick (DHHS); Grijalva, Nancy (DHHS)
Optional Attendees:	Heaton, Anna (GOV); Wurfel, Sara (GOV)

Purpose: Press conference regarding Flint water

Program Participants:
Flint Mayor Dayne Walling
DEQ Director Dan Wyant
DHHS Director Nick Lyon
Dr. Eden Wells, DHHS
Ridgeway White, Mott Foundation
Harvey Hollins
Sen. Jim Ananich

Non-Speaking Invitees: (all attendance unconfirmed)
Rep. Tim Greimel
Rep. Phil Phelps
Rep. Sheldon Neely
Flint City Councilmembers
Faith Based Community members
U of M Flint Chancellor Susan Borrego (RDS talked to 10/7/15 at the Higher Ed Summit)
Amy Hovey, Staff of Congressman Dan Kildee
Jamie Gaskin, CEO of Genesee County United Way
Tim Herman, CEO of Flint and Genesee Chamber of Commerce
Brian Larkin, Flint and Genesee Chamber of Commerce (fmr. EO staff)
Kathryn Thomas, VP of Communications for Mott Foundation
Neal Hegarty, VP of Programs for Mott Foundation
Kimberly Roberson, Director of Flint Area Grantmaking Program for Mott Foundation

Agenda:
10:00 AM – 10:01 AM Harvey Hollins kicks off press conference; introduces Governor
10:01 AM – 10:05 AM Governor gives remarks
10:05 AM – 10:06 AM Harvey Hollins introduces Mayor Dayne Walling
10:06 AM – 10:10 AM Mayor Walling gives remarks
10:10 AM – 10:11 AM Harvey Hollins introduces DEQ Director Dan Wyant

10:11 AM – 10:15 AM	Director Wyant gives remarks
10:15 AM – 10:16 AM	Harvey Hollins introduces DHHS Director Nick Lyon
10:16 AM – 10:17 AM	Director Nick Lyon brief comments, introduces Dr. Eden Wells
10:17 AM – 10:20 AM	Dr. Eden Wells remarks
10:20 AM – 10:21 AM	Harvey Hollins introduces Senator Jim Ananich
10:21 AM – 10:26 AM	Senator Jim Ananich remarks
10:26 AM – 10:27 AM	Harvey Hollins introduces Ridgway White of Mott Foundation
10:27 AM – 10:32 AM	Ridgway White gives remarks
10:32 AM – 10:42 AM	Q&A from the podium (SW to moderate)
10:42 AM	Event concludes; Governor departs

OPEN Press

High level points:

- Protecting the health and safety of our residents in Flint and across Michigan is always our top priority.
    - All Michigan residents need access to safe, clean water
- That's why today, in consultation with health and water experts in our state agencies, I'm advocating reconnecting the Flint drinking water with the Great Lakes Water Authority.
- I'm recommending to my partners in the Legislature that the state government provide $6 million of the needed $12 million to reconnect with authority.
    - The Flint city government has agreed to cover $2 million of this cost, and the Charles Stewart Mott Foundation is generously offered to donate $4 million.
- What you are seeing here today is a community coming together to work toward solving a problem.
    - I appreciate the assistance of Mayor Walling, and the U.S. Environmental Protection Agency.
    - This is a collaborative approach, and I appreciate that community organizations including the United Way and come forward to assist.

Attachments:

1. Briefing
2. FAQs for Media Q&As
3. Press Release

Briefing.pdf

FAQs for Media QAs.pdf

Press Release.pdf

Staff/Detail
Venue POC: Kathryn Thomas (mobile?) [redacted]
Security POC: Phil Snyder (mobile)[redacted]
Advance: CLU
Comms: All

Briefing: Flint Water System Press Conference
Thursday, Oct. 8, 2015
Mott Foundation/Commerce Center Building Ground Floor
519 S. Saginaw St., Flint
Communications: Sara Wurfel, 517-599-3470, wurfels@michigan.gov
Dave Murray, 517-449-8343, murrayd1@michigan.gov

Purpose:

We're announcing the decision to reconnect Flint to the Detroit Water and Sewerage Department, a collaborative effort between the state government, Flint city government and the Mott Foundation.

High level points:

- Protecting the health and safety of our residents in Flint and across Michigan is always our top priority.
    - All Michigan residents need access to safe, clean water.

- That's why today, in consultation with health and water experts in our state agencies, I'm advocating reconnecting the Flint drinking water with the Great Lakes Water Authority.

- I'm recommending to my partners in the Legislature that the state government provide $6 million of the needed $12 million to reconnect with authority.
    - The Flint city government has agreed to cover $2 million of this cost, and the Charles Stewart Mott Foundation is generously offered to donate $4 million.

- What you are seeing here today is a community coming together to work toward solving a problem.
    - I appreciate the assistance of Mayor Walling, and the U.S. Environmental Protection Agency.
    - This is a collaborative approach, and I appreciate that community organizations including the United Way and come forward to assist.

Agenda:

9:00 AM - 9:45 AM	Gov meets with Mayor Walling in [Room 1]
9:45 AM – 10:00 AM	Pre-Brief in [Room 2]
10:00 AM – 10:01 AM	Harvey Hollins kicks off press conference; introduces Governor
10:01 AM – 10:05 AM	Governor gives remarks
10:05 AM – 10:06 AM	Harvey Hollins introduces Mayor Dayne Walling
10:06 AM – 10:10 AM	Mayor Walling gives remarks
10:10 AM – 10:11 AM	Harvey Hollins introduces DEQ Director Dan Wyant
10:11 AM – 10:15 AM	Director Wyant gives remarks
10:15 AM – 10:16 AM	Harvey Hollins introduces DHHS Director Nick Lyon
10:16 AM – 10:17 AM	Director Nick Lyon introduces Dr. Eden Wells
10:17 AM – 10:20 AM	Dr. Eden Wells remarks
10:20 AM – 10:21 AM	Harvey Hollins introduces Ridgway White of Mott Foundation
10:21 AM – 10:25 AM	Ridgway White gives remarks
10:25 AM – 10:35 AM	Q&A from the podium
10:35 AM	Event concludes; Governor departs

Attendees: Roughly 20 in audience

Susan	Borrego	Chancellor, U of M Flint
Oscar	Overton	Pastor
Alfred	Harris	Pastor

Latrelle	Holmes	Pastor
Jim	Ananich	Michigan Senate
Sheldon	Neely	Michigan House
Phil	Phelps	Michigan House
Jeff	Wright	Drain Commissioner, Genesee County
Amy	Hovey	Dan Kildee office
Jamie	Gaskin	Dan Kildee office
Tim	Herman	Flint Chamber of Commerce
Brian	Larkin	Flint Chamber of Commerce
Eric	Mays	Flint City Council
Jacqueline	Poplar	Flint City Council
Kerry	Nelson	Flint City Council
Joshua	Freeman	Flint City Council
Wantwaz	Davis	Flint City Council
Herbert	Winfrey	Flint City Council
Monica	Galloway	Flint City Council
Vicki	VanBuren	Flint City Council
Scott	Kincaid	Flint City Council

Speaker comments:

RDS – Collaboration led to solution, outline of solution
Mayor Walling – Importance of solution to Flint
Dan Wyant – School testing results, overview of steps on transition from Flint River to DWSD
Nick Lyon – DHHS involvement
Dr. Eden Wells – Testing of water going forward, use of filters approved by NSF
Ridgway White – Importance of collaboration/commitment to Flint

Talking points:

- Protecting the health and safety of our residents in Flint and across Michigan is always our top priority.
    - All Michigan residents need access to safe, clean water

- That's why today, in consultation with health and water experts in our state agencies, I'm advocating reconnecting the Flint drinking water with the Great Lakes Water Authority.

- I'm recommending to my partners in the Legislature that the state government provide $6 million of the needed $12 million to reconnect with authority.
    - The Flint city government has agreed to cover $2 million of this cost, and the Charles Stewart Mott Foundation is generously offered to donate $4 million.
    - The Michigan Department of Health and Human Services and the Department of Environmental Quality today also is committing an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

- What you are seeing here today is a community coming together to work toward solving a problem.
    - I appreciate the assistance of Mayor Walling, and the U.S. Environmental Protection Agency.
    - This is a collaborative approach, and I appreciate that community organizations including the United Way and come forward to assist.

- Today's announcement in an important step as we move forward together.
    - But it is not our first step, nor will it be our last.

        - This announcement builds on work we've already set in place.
            - That includes $4.2 million in state grants and loan restructuring to help identify and fix infrastructure problems.
            - State agencies have been working closely with Flint leaders and the community for more than a year.

- There will be more to do.
    - Flint has an aging water infrastructure system with challenges that we – together – will continue to address.

- We will continue to test Flint schools for lead levels in drinking water.
    - Schools across the state might also have questions.
    - The Department of Environmental Quality will work with districts across the state to provide testing.
        - Districts can send water samples and paperwork and the nominal charge. (It costs $26 per sample).

- The steps outlined in the comprehensive action plan are still in effect.

Switch to Great Lakes Water Authority

What finally pushed the state to this decision?

This was the City's request, and the Governor supports it, based on several key factors:
In the near term, DWSD water will be easier to manage. It comes from a more stable source than the river, it is fully optimized for corrosion control, and it is clear that residents of Flint have more confidence in this water source.

Will this solve Flint's water crisis?

In combination with the other short term, intermediate term and long-term steps outlined last week, this move represents a big step forward. Flint still has serious system maintenance challenges it must address.

If you're saying residents will still have lead because of their plumbing, does that mean every other city in this state has a lead problem?

Many areas of the state have lead in their infrastructure mix.

Where's the state getting the money to fund this?

We have submitted a formal request to lawmakers via the appropriations process.

Where's the city getting the money to fund this?

The city is contributing all it can, and is getting assistance for its match from the Mott Foundation.

How long will the switch take?

The switch will be completed by the City and Great lakes Water Authority, but our understanding is that it can be accomplished in the very near term once the arrangements are complete.

How long will it take before Detroit's corrosion controls provide protection for Flint?

It will take some time for the corrosion control additives to build on pipe walls throughout the system. Estimates vary. The state can assure we will commence monitoring of the system early 2016 and report results as we get them to keep the community updated.

Why do residents still need to use filters and bottled water?

The filters and bottled water are responsible precautions for any resident concerned about lead exposure.

Do the filters actually work? We've been hearing they don't protect for lead.

Yes, the filters work. They are all certified for lead removal by the National Sanitation Foundation.

The filters are only good for 100 gallons. What happens when they are used up?

They will need to be replaced. And residents can get a new filter.

What about restaurants?

What's going to be done about lead service lines?

Long term, this is the only permanent solution to lead exposure. The state has committed to helping the city accomplish this goal long term.

Do you wish you'd made this switch sooner?
We support the City's decision. We can't look backward. We feel the state has responded quickly and effectively as information has surfaced, been investigated and verified. While the City of Flint is, right now, in compliance with the federal Lead and
Copper Rule, we recognize there is a disparity between surveillance testing and other testing happening in the community that we need to better understand and we are working on developing our knowledge.

Schools testing

What do these results say?
The results say we need to further investigate Flint schools and help the schools find clearer causes for some the results we got.

Any theories about what's going on?
It is possible there are specific points in the plumbing that have lead components which need to be replaced, but we can't say anything definitively until we perform an investigation at each school.

Do the schools have lead service lines? If not, why are they getting such high results?
The schools we tested initially do not have lead service lines. There are a few possible reasons why lead is being detected at specific points in the buildings and not others. When we know things definitively, we will make the information public.

How long do the schools have to stay on bottled water? Just until the switch to Detroit, or longer term?
We are encouraging the schools to continue their current protective measures as a precaution until we can get into the buildings and get more answers.

Why did you only test 13 schools?
That was what the Flint Public Schools requested.

What happens to other schools?
We will test all the schools in Flint if they request it.

What about the schools that can't afford to update their entire plumbing systems?
This is why we are having plumbing assessments completed. There is no way to know yet what each building will require.

How confident are you in your testing? You've got results all over the map.
We are confident that our testing meets the requirements for the federal Lead and Copper Rule, which is surveillance monitoring. The bigger question is whether surveillance monitoring meets the public health protection standards that Lead Exposure Testing methods do. The EPA is working on that question now, and we are engaged in that dialogue.

What do you mean by "health exposure testing"? What are you doing next?

The 90th percentile of your results is still below 15 ppb. Does that make you more or less confident in your testing and in your protocols?

It makes us confident that the testing protocol delivers consistent results. But again, it does raise questions about whether this testing method shows what people think it does or what they really want to know, which is actual lead exposure from lead plumbing in a home.

Any idea how long kids have been exposed to lead? Was it before the move to the Flint River?
That is possible. We don't know.

How does the state bring this new information into the broader picture of kids' lead exposure across the state?

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

BRIAN CALLEY
LT. GOVERNOR

CONTACTS:	FOR IMMEDIATE RELEASE
Sara Wurfel or Dave Murray Governor's Office: 517-335-6397 Brad Wurfel, 517-284-6713 Department of Environmental Quality Jennifer Eisner, 517-230-9804 Department of Health and Human Services	Thursday, Oct. 8, 2015

Gov. Rick Snyder: Move back to Detroit water provides best protection for public health in Flint

State, Mott Foundation and city form partnership to fund switch

FLINT, Mich. – Flint families and children will be better protected by reconnecting with the Great Lakes Water Authority as the source of the city's drinking water, Gov. Rick Snyder said.

Snyder said Thursday that he will request the state Legislature to provide half, or $6 million, of the $12 million needed to reconnect with the authority. The Flint city government will provide $2 million and the Charles Stewart Mott Foundation will donate $4 million.

"All Flint residents need clean, safe drinking water," Snyder said. "The technical experts helping the city on its water advisory all agree this move back to the Great Lakes Water Authority provides the best public health protection for children and families. This effort today is the result of people coming together to solve a problem. I appreciate Detroit's willingness to reconnect with Flint, the Mott Foundation's generous donation, and the dedication of all parties to come together to protect Flint families and children."

The Michigan Departments of Environmental Quality and Health and Human Services today also committed an additional $3.5 million for water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

Flint city leaders requested the state's help to fund the reconnection after a Wednesday meeting of Flint's Technical Advisory Committee. Flint's move to the Great Lakes Water Authority is expected to cost about $1.3 million per month until the Karegnondi Water Authority is completed next summer.

INSERT MAYOR QUOTE HERE

The move to Detroit water, which is drawn from Lake Huron, carries many public health benefits. As large bodies of water, the Great Lakes are naturally prone to fewer problems from large rain events and other runoff issues that can be present in shallower rivers. Additionally, the Great Lakes Water Authority has already fully optimized its corrosion control, using phosphates to help coat the insides of pipes and prevent lead from leaching into the water.

However, reconnecting with the authority will not completely resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control. Additionally, some households in the city could experience lead in their drinking water until all lead pipes and plumbing are replaced.

INSERT MOTT FOUNDATION QUOTE HERE

To best protect public health, Snyder said state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure.

Free filters are available for current MDHHS clients at the 125 E. Union St. or 4809 Clio Road MDHHS office locations. For residents who are not currently enrolled in MDHHS assistance programs, free filters are available at the Genesee County Community Action Resource Department offices at 2727 Lippincott and 601 North Saginaw in Flint. Staff will be at all four locations from 9 a.m. to 4 p.m., Monday through Friday, to distribute filters and assist residents who have questions about proper installation. At the Lippincott location only, extended hours will be offered this weekend, including until 7 p.m. on Thursday and Friday and from 10 a.m. to 2 p.m. on Saturday.

Other good practices for residents concerned about lead include turning on the cold water tap and running the water until it's as cold as it will go. Additionally, only use cold water for cooking, drinking and especially mixing baby formula.

School test results released; more investigation planned

The state today also released the first results from its lead screening program in schools and homes. Of 37 total samples taken at 13 buildings, four samples spread over three buildings exceeded the federal action level of 15 parts per billion.

However, this sampling provides only an initial screen, and the state is committing to further testing water and inspecting plumbing at these schools. Until testing is complete, schools are advised to continue using bottled water and filtration as a precaution to protect children.

In addition, free testing is still available for any other Flint school, including daycares and Head Starts. Free testing is also available for any Flint resident.

Additional information, including more detailed lead screening results, is available at www.michigan.gov/flintwater.

###

Subject:	Hollins/Wyant/Flint Mayor Weaver
Location:	Governor's Conference Room, Romney Building, 2nd Floor
Start:	Thu 12/3/2015 10:00 AM
End:	Thu 12/3/2015 11:00 AM
Show Time As:	Out of Office
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Clayton, Stacie (GOV)
Required Attendees:	Hollins, Harvey (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Wisniewski, Wendy (GOV); Sygo, Jim (DEQ); Krisztian, George (DEQ)
Optional Attendees:	Muchmore, Dennis (GOV)

Updated attendees list

Attendees

Harvey Hollins, Governor's Office
Dennis Muchmore, Governor's Office
Dan Wyant, DEQ
Jim Sygo, Chief Deputy Director
George Krisztian, DEQ Flint Drinking Water Coordinator
Mayor Karen Weaver
Aonie Gilcreast, Mayor's Transition Team
Allen Overton, Mayor's Transition Team
Wallace Hill, Mayor's Transition Team

From: Baird, Richard (GOV)
Sent: Wednesday, September 30, 2015 11:29 AM
To: Hollins, Harvey (GOV)
Subject: Fwd: Re: Flint water background information
Attachments: image001.jpg; image001.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Brown, Frank" <fbrown@generalatlantic.com>
Date: Sep 30, 2015 11:24 AM
Subject: Re: Flint water background information
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>
Cc:

In process. Will come back to and Harvey when I know more. Am in London. Didn't reach out to Eddie as I think this week is his operation. Have you heard anything?

Frank

Sent from my iPad

On Sep 30, 2015, at 3:34 PM, Baird, Richard (GOV) <bairdr@michigan.gov<mailto:bairdr@michigan.gov>> wrote:

Frank:

We have a situation in Flint, Michigan that is beginning to get national attention and could be an opportunity for Home Depot. 18 months ago, Flint switched its water supply from Detroit Water (the distance and pumping costs of going uphill made it quite expensive) to the Flint River as a temporary answer, until they could finish the construction to get their water from Lake Huron (Karagondi Water System). The corrosive attributes of the River water have exacerbated the lead deposit leaching into homeowner pipes and there is concern around lead poisoning, especially for infants.

The corporate community is rallying to address the problem. Meijer donated 1500 water filters to low income residents and GM is about to announce a donation of between 5,000 and 10,000 filters. I do not yet know where GM is getting the filters from, but I was thinking that Home Depot might want to join the effort with a donation, supply chain discounting assistance, or some combination of activity that could help Flint residents. Harvey Hollins is our point person for this effort, since he is the Director of Urban Initiatives for Governor Snyder. I have copied him here.

If you could get this into the hands of the right people and see if there is interest in speaking with Harvey, I would be very appreciative. Thanks and take care.

Regards,

Rich

From: Murray, David (GOV)
Sent: Wednesday, September 30, 2015 9:35 AM

To: Baird, Richard (GOV)
Subject: Flint water background information

Hi Rich,

These are two documents that I think are helpful addressing the questions about lead and Flint water overall, prepared by DEQ and DHHS. These were intended for internal use, so please ask our partners to not share them beyond the people on their teams making the decisions.

Please let me know if you need anything else.

Dave

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov<mailto:MurrayD1@michigan.gov>
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

[Emblem]

<Flint water FAQs (00000004).pdf>
<Sharable Flint Lead TP 092415 (00000002).docx>

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From: Baird, Richard (GOV)
Sent: Wednesday, September 30, 2015 4:54 PM
To: Hollins, Harvey (GOV); Clayton, Stacie (GOV)
Subject: Fwd: RE: Flint water background information

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Would you like to call him?

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From [redacted]
Date: Sep 30, 2015 4:06 PM
Subject: RE: Flint water background information
To: [redacted] "Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc: [redacted]

Richard,

Let me know when a good time would be to connect for us to discuss how The Home Depot can support the needs in Flint.

My cell # is [redacted]

Aaron Bonham
Home Depot
Merchandise Vice President
Department 26 Plumbing
[redacted]
The contents of this e-mail include proprietary and confidential information, and are not intended to represent or form a legally binding offer or acceptance.

-----Original Message-----
From: Brown, Frank [redacted]
Sent: Wednesday, September 30, 2015 3:53 PM
To: Richard Baird; hollinsh@michigan.gov
Cc: Bonham, Aaron S; Tank, Stacey M
Subject: Fwd: Flint water background information

Hi all. Figure I will just connect everyone and let you figure out from here. Hope this can result in some help. All the best.

Frank

Sent from my iPad

Begin forwarded message:

From: <[redacted]
Date: September 30, 2015 at 6:00:47 PM GMT+1
To: [redacted]
Cc:
Subject: Flint water background information

Frank,

Received your email from Craig. We would be glad to help.

Can you provide any additional information on filter sizes needed in the area and quantity you might be looking for?

We are also going to look to donate bottled water if that makes sense?

Aaron Bonham
Home Depot
Merchandise Vice President
Department 26 Plumbing
[redacted]

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From: Baird, Richard (GOV)
Sent: Tuesday, December 08, 2015 1:21 PM
To: Hollins, Harvey (GOV)
Subject: FW: Flint Water Advisory Task Force Recommendation
Attachments: KRS version of Snyder Letter 2 (1).docx

From: Baird, Richard (GOV)
Sent: Monday, December 07, 2015 3:49 PM
To: Manolakoudis, Virginia (GOV)
Subject: FW: Flint Water Advisory Task Force Recommendation

From: Ken Sikkema [redacted]
Sent: Monday, December 07, 2015 3:31 PM
To: Snyder, Rick (GOV)
Cc: Chris Kolb; Matt Davis; Lawrence Reynolds; Eric Rothstein; Baird, Richard (GOV)
Subject: Flint Water Advisory Task Force Recommendation

Dear Governor Snyder:

We want to thank you for the recent conference call between members of the Flint Water Advisory Task Force (FWATF), yourself, and members of your administration. Attached is a follow-up letter to that conference call outlining an initial set of recommendations that we believe should be implemented in the very near future to focus the state's efforts to protect the public health in Flint.

We both acknowledge and appreciate your personal interest in this issue and your commitment, not only to assisting the Task Force in our review, but--most importantly--to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully,

Ken Sikkema

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
[redacted]

December 7, 2015

Dear Governor Snyder:

On Wednesday, November 18, 2015, the Flint Water Advisory Task Force met with representatives of the Michigan Department of Environmental Quality (MDEQ) and the Michigan Department of Health and Human Services (MDHHS) to discuss elements of the 10-point Action Plan designed to address various issues related to the ongoing public health protection challenges precipitated by lead in the Flint water supply. These discussions were held at our request as part of our task to make recommendations to prevent a similar occurrence in Flint or elsewhere, and also to monitor ongoing mitigation efforts.

Subsequent to those meetings, on Tuesday, November 24, 2015, members of the Task Force participated in a conference call with yourself, members of the Administration, and representatives of these agencies to discuss the progress to date on the 10-point Action Plan, as well as several other related issues.

We want to acknowledge the steps that have already been taken to implement the action plan, specifically in the areas of outreach efforts to facilitate blood lead testing for children, communication with health care providers in the Flint community about the importance of testing children for lead, and the training of additional public health nurses in the Genesee County Health Department. We do believe, however, that additional steps need to be taken to reach additional children for blood lead testing, assure proper follow-up with children found to have elevated blood lead levels, and to continue water testing. We will continue to assess state and local efforts and make recommendations regarding specific steps that we believe are warranted.

One primary concern we have at this point is that the current efforts appear to be taking place in the absence of a larger project coordination framework that measures results and clearly delineates responsibilities for continuing actions to protect public health. We believe the state is best positioned to facilitate this larger framework, which should address the following:

1. The need for MDHHS and MDEQ—and, possibly, other state agencies--to set **goals** for actions in collaboration with local and federal agencies and organizations.
2. The need for a set of corresponding **timelines** for the goals.
3. The need to establish **responsibility** for meeting the goals in a timely fashion and for **contingency plans** for the state if the goals are not being met.
4. The need for clear, regular **communication** with the Flint community and stakeholder groups regarding action steps and updates.

We also believe it important that a single person or entity—potentially independent of any one particular state agency and mutually agreeable to this Task Force and you, Governor—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood “dashboard” should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard.

We believe it is vitally important that trusted members of the Flint community be engaged in communication on this issue, as well as the distribution of information conveyed by our suggested dashboard reporting. Accordingly, in advance of our final report, we would like to ensure the independent coordinator suggested above engage trusted community groups to begin rebuilding community trust in state actions.

We appreciate your personal interest in this issue, commitment to assisting the Task Force in our review, and—most importantly—commitment to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully yours,

Flint Water Advisory Task Force:

Dr. Matt Davis

Chris Kolb

Dr. Larry Reynolds

Eric Rothstein

Ken Sikkema

From: Baird, Richard (GOV)
Sent: Friday, December 11, 2015 3:15 PM
To: Murray, David (GOV)
Cc: Hollins, Harvey (GOV); Manolakoudis, Virginia (GOV)
Subject: Fwd: Confirming: Dr. Mona and Flint Water Mtg 12/14 11am

Nick Lyon will join me. Harvey can you be there too?

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: "Manolakoudis, Virginia (GOV)" <ManolakoudisV@michigan.gov>
Date: Dec 11, 2015 1:46 PM
Subject: Confirming: Dr. Mona and Flint Water Mtg 12/14 11am
To: Chris Kolb <chris@environmentalcouncil.org>,Ken Sikkema <ksikkema@pscinc.com>,'Laurence Reynolds' <reynolds@mottchc.org>
Cc: "Baird, Richard (GOV)" <bairdr@michigan.gov>

Good Afternoon,

Just double checking that you are attending Rich's meeting with Dr. Mona and Flint Water on **Monday, December 14th** at **11:00am** in the Governor's Conference Room, 2nd Floor Romney Building.

We will see you on Monday!

Thanks!

Virginia Manolakoudis

Executive Assistant to Richard Baird

Executive Office of Governor Rick Snyder

ManolakoudisV@michigan.gov

(517) 241-5621

From: Lyon, Nick (DHHS)
Sent: Monday, December 14, 2015 11:40 AM
To: Hollins, Harvey (GOV)
Subject: Fwd:
Attachments: Secondary Prevention MI 121415.pptx; ATT00001.htm

Sent from my iPad

Begin forwarded message:

> **From:** "Mona" <[redacted]>
> **To:** "Lyon, Nick (DHHS)" <LyonN2@michigan.gov>
> **Subject: Fwd:**
>
> Mona Hanna-Attisha MD MPH FAAP
> Director, Pediatric Residency Program
> Hurley Children's Hospital
> Michigan State University
>
> Mona Hanna-Attisha
>
> Begin forwarded message:
>
> > **From:** Mona Hanna-Attisha <MHanna1@hurleymc.com>
> > **Date:** December 14, 2015 at 9:10:41 AM EST
> > **To:** Mona Hanna-Attisha <MHanna1@hurleymc.com>,
> > "[redacted]" <[redacted]>
> >
> > Mona Hanna-Attisha MD MPH FAAP
> > Program Director Pediatric Residency
> > Hurley Children's Hospital at Hurley Medical Center
> > Michigan State University College of Human Medicine
> > Department of Pediatrics and Human Development
> > Mhanna1@hurleymc.com

#flintwatercrisis

HURLEY CHILDREN'S HOSPITAL

Background & Secondary Prevention

Mona Hanna-Attisha MD MPH FAAP
Hurley Children's Hospital
Michigan State University College of Human Medicine

Agenda

HURLEY CHILDREN'S HOSPITAL

- Flint Water Timeline
- Lead Facts
- Hurley Research Findings
- Introduction to Toxic Stress
- Next steps – Secondary Prevention

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Flint Drinking Water Crisis

HURLEY CHILDREN'S HOSPITAL

- Financial Emergency Managers
- Water switch to Flint River (April 2014)
- Fecal coliform and boil advisories *3 (Sept 2014)
- GM stopped using Flint water – corroding parts (Oct 2014)
- Disinfectant byproducts TTHM (Jan 2015-Sept 2015)

HURLEY MEDICAL CENTER

Flint Drinking Water Crisis

HURLEY CHILDREN'S HOSPITAL

- Perfect storm for lead leaching
  - Flint water more corrosive
  - Lack of corrosion control
  - Aging infrastructure (lead plumbing)
  - Decreased water use - population loss, high water rates

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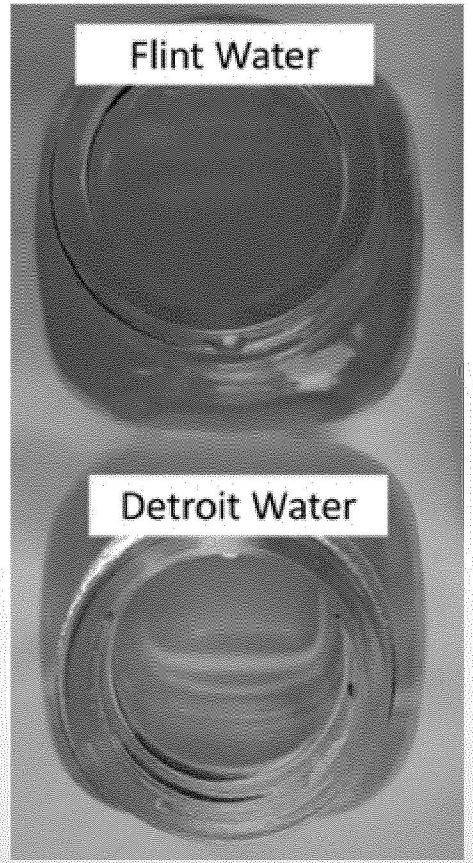
Flint Drinking Water Crisis

HURLEY CHILDREN'S HOSPITAL

- High lead levels detected, EPA contacted (February 2015)
- Leaked EPA memo (June 2015)
  - LeeAnn Walters WLL 13,200 ppb (toxic waste)
- Dr Marc Edwards, Virginia Tech Research (Aug 2015)
  - Flintwaterstudy.org
  - Corrosion & water lead
- Hurley Research (Sept 2015)



https://www.wsws.org/en/articles/2015/09/26/flin-s26.html

Why do we care about lead?

HURLEY CHILDREN'S HOSPITAL

- Lead is a potent neurotoxin with lifelong, multigenerational impacts
- Blood lead levels (BLL) 5 ug/dL or more considered elevated blood lead levels (EBLL)
- Just a few years ago (2012), 10 ug/dL was cutoff
- NO safe blood lead level
- Disproportionately impacts low income and minority children
- Primary prevention is most important

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Primary Prevention

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- "Because no measurable level of blood lead is known to be without deleterious effects, and because once engendered, the effects appear to be irreversible in the absence of any other interventions, public health, environmental and housing policies should encourage PREVENTION of all exposure to lead."

"Low Level Lead Exposure Harms Children: A Renewed Call for Primary Prevention." 2012 CDC Advisory Committee on Childhood Lead Poisoning Prevention.

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Impact on cognition

HURLEY CHILDREN'S HOSPITAL

- Vast evidence supports increased likelihood of:
  - Decrease in IQ
    - An increase in BLL from 1 to 4 ug/dL, drops mean IQ -3.7 points
  - Small change in mean IQ, shifts entire population IQ distribution
    - Reduces high achievers IQs (>130) and increases kids with low IQs (<70)
    - Implications for early intervention, special education services, employment, incarceration, life achievement, etc

Lanphear BP et al., Low-level environmental lead exposure and children's intellectual function: an international pooled analysis. Environ Health Perspect, 2005. 113:894-9.
Fewtrell LJ, Pruss-Ustun A, Landrigan P, and Ayuso-Mateos JL, Estimating the global burden of disease of mild mental retardation and cardiovascular diseases from environmental lead exposure. Environmental Research, 2004. 94:120-33.

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Impact on behavior

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- Increased likelihood of :
  - ADHD behaviors
  - Delinquent behaviors and arrests
  - Total arrests and increased rates of arrests involving violent offenses
  - Other health effects: hematologic, cardiovascular, immunologic, endocrine, etc

Wright, JP, KN Dietrich, MD Ris, et al. 2008. Association of prenatal and childhood blood lead concentrations with criminal arrests in early adulthood. *PLoS Med* 5(5): e101
Chen, A, B Cai, KN Dietrich, et al. 2007. Lead exposure, IQ, and behavior in urban 5-7 year-olds: Does lead affect behavior only by lowering IQ? *Pediatrics* 119(3): e650-e658.
Needleman, HL, C McFarland, RB Ness, et al. 2002. Bone lead levels in adjudicated delinquents: A case control study. *Neurotoxicology and Teratology* 24(6):711-717.

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Cost

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- "For childhood lead poisoning, $5.9 billion in medical care costs, as well as an additional **$50.9 billion** (sensitivity analysis: $44.8–$60.6 billion) per year in lost economic productivity resulting from reduced cognitive potential from preventable childhood lead exposure."

- "The present value of Michigan's economic losses attributable to lead exposure in the 2009 cohort of 5 year-olds ranges from $3.19 (using U.S. blood lead levels) to **$4.85 billion** (using Michigan blood lead levels) per year in loss of future lifetime earnings."

Leonardo Trasande and Yinghua Liu. Reducing The Staggering Costs Of Environmental Disease In Children, Estimated At $76.6 Billion In 2008. *Health Affairs*, 30, no.5 (2011):863-870

The Price of Pollution: Cost Estimates of Environment-Related Childhood Diseases in Michigan. 2010 Report by Michigan Network of Children's Environmental Health

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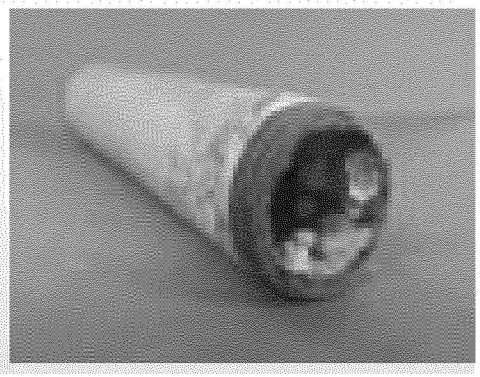
Lead in Water

HURLEY CHILDREN'S HOSPITAL

- Not what medicine/public health used to
  - Lead paint obsessed
  - "drinking through a lead painted straw"

- Soluble metal – ingestion via particulate or dissolved in water
- Drinking and cooking risks



Lead in water

HURLEY CHILDREN'S HOSPITAL

- Disproportionally impacts developmentally-vulnerable formula-fed infants
  - For about 25% of infants drinking formula made from tap water at 10 ppb, blood lead would rise >= 5 ug/dL
- Significant risk to unborn babies
  - Increase in fetal deaths and reduced birth weights

Triantafyllidou, S., Gallagher. D. and Edwards, M. Assessing risk with increasingly stringent public health goals: the case of water lead and blood lead in children. Journal of Water and Health. doi: 10.2166/wh.2013.067 58-68 (2014).
Edwards, M. Fetal Death and Reduced Birth Rates Associated with Exposure to Lead-Contaminated Drinking Water. Env. Sci. and Tech. 2013 DOI: 10.1021/es4034952

HURLEY MEDICAL CENTER

Hurley Children's RESEARCH FINDINGS

Sept 24

Medical Community Press Conference

Methods

- HMC IRB approved
- Data from all blood lead levels processed at Hurley Medical Center
- ZIP code based
- Two periods of comparison (same seasons):
  - PRE-SWITCH: January 1, 2013 – September 15, 2013
    - **WATER SWITCH APRIL 26, 2014**
  - POST-SWITCH: January 1, 2015 – September 15, 2015
- Analyzed % Elevated Blood Lead (EBLL)
  - EBLL = Blood lead Levels >= 5 ug/dL

Initial Research Results

HURLEY CHILDREN'S HOSPITAL

- Zip code based (in media)

	ALL FLINT ZIPS (n=1746)	HIGH-WLL FLINT ZIPs (48503-48504) (n=742)	NON-FLINT ZIPS (n=1670)
PRE-SWITCH	2.1%	2.5%	0.6%
POST-SWITCH	4.0%	6.3%	1.0%

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GEOcoded Analysis

HURLEY CHILDREN'S HOSPITAL

- N= 1473 for Flint water children (pre n=736, post n=737)
- N= 2202 for non-Flint water children (pre n=1210, post n=992)

Flint results for children 5 years and under:

- PRE-SWITCH % EBLL: **2.4%**
- POST-SWITCH % EBLL: **4.9%**
- **$p < 0.05$; STATISTICALLY SIGNIFICANT CHANGE**

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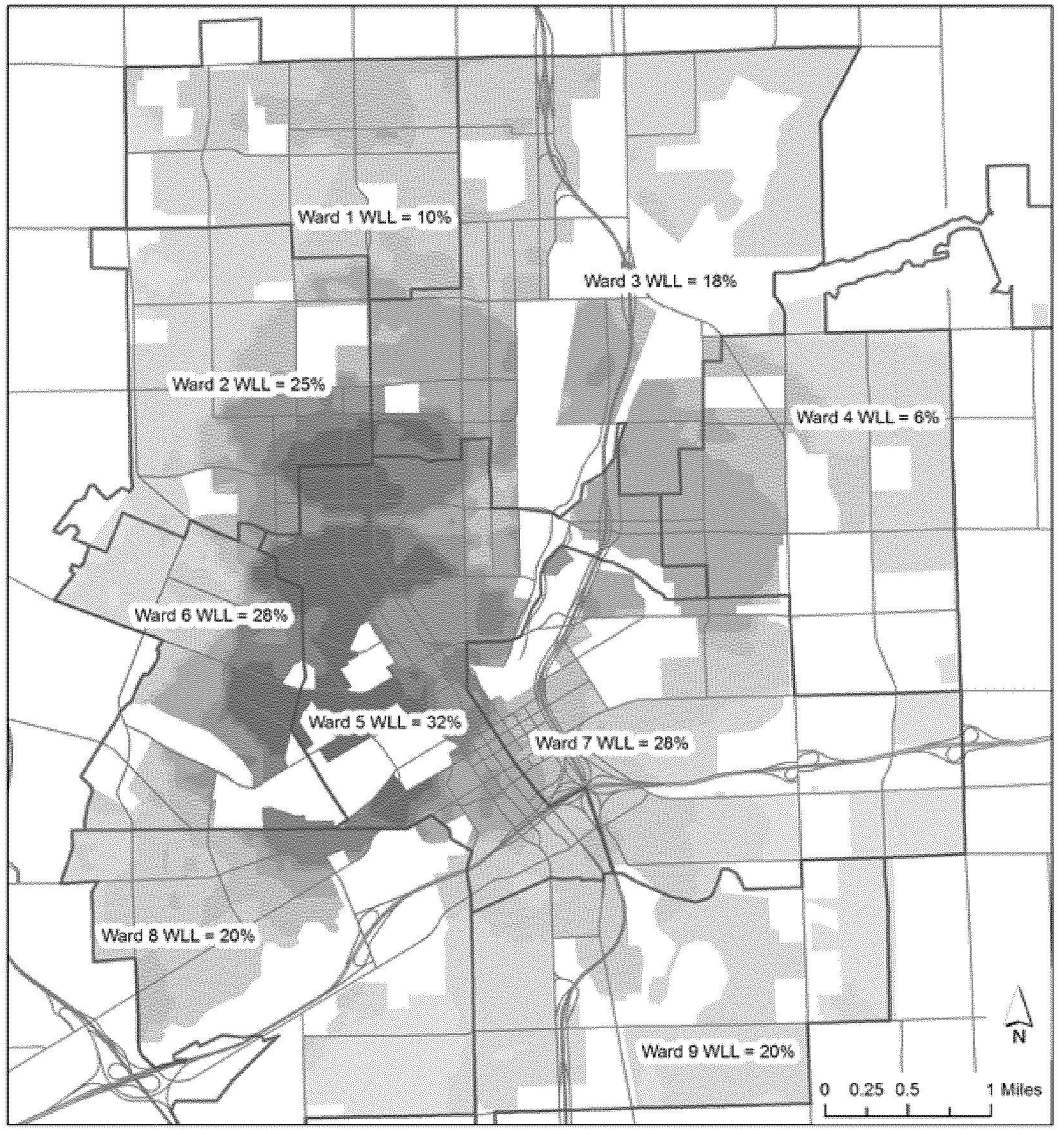


HURLEY CHILDREN'S HOSPITAL

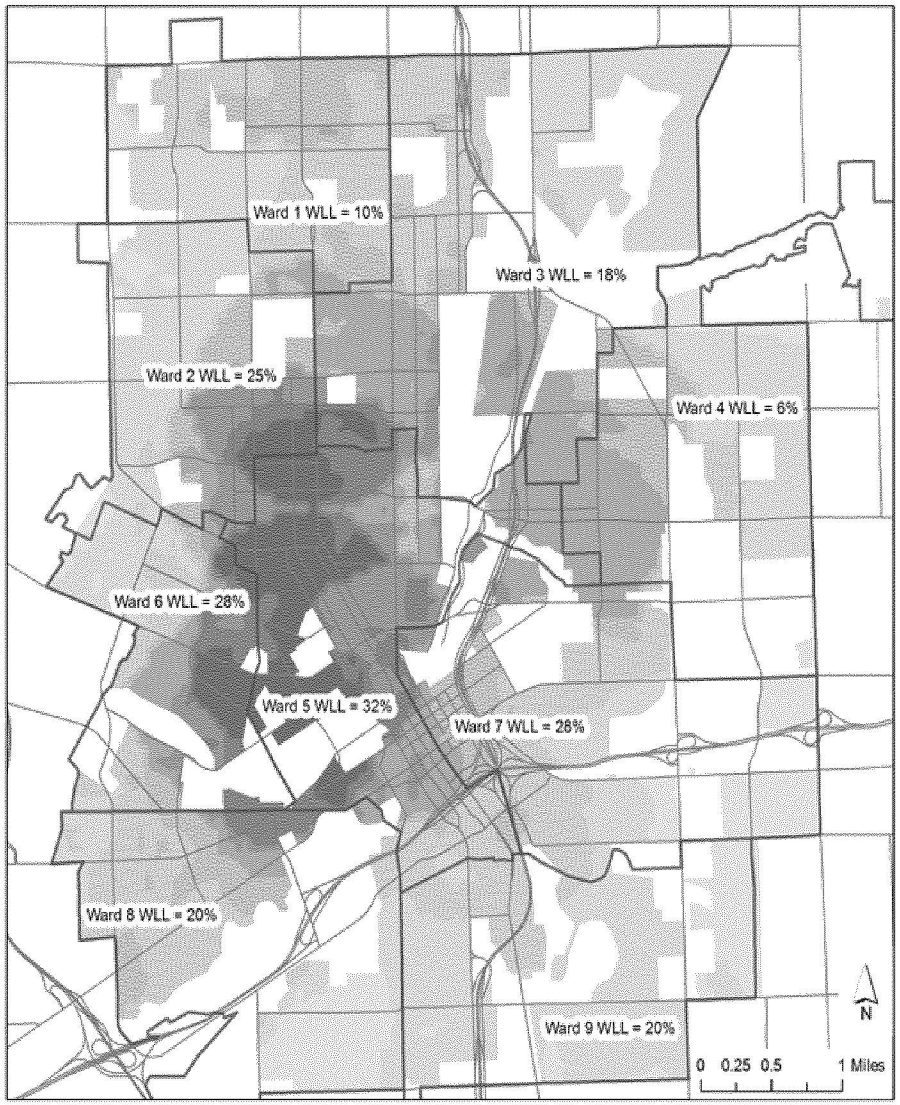
- Focus on high WLL wards (5, 6, 7); ie., those with high water lead levels

Results:

- PRE-SWITCH % EBLL: **4.0%**
- POST-SWITCH % EBLL: **10.6%**
- **$p < 0.05$; STATISTICALLY SIGNIFICANT CHANGE**

- Note: Hot spots between wards/zips

HURLEY MEDICAL CENTER



Flint City Wards

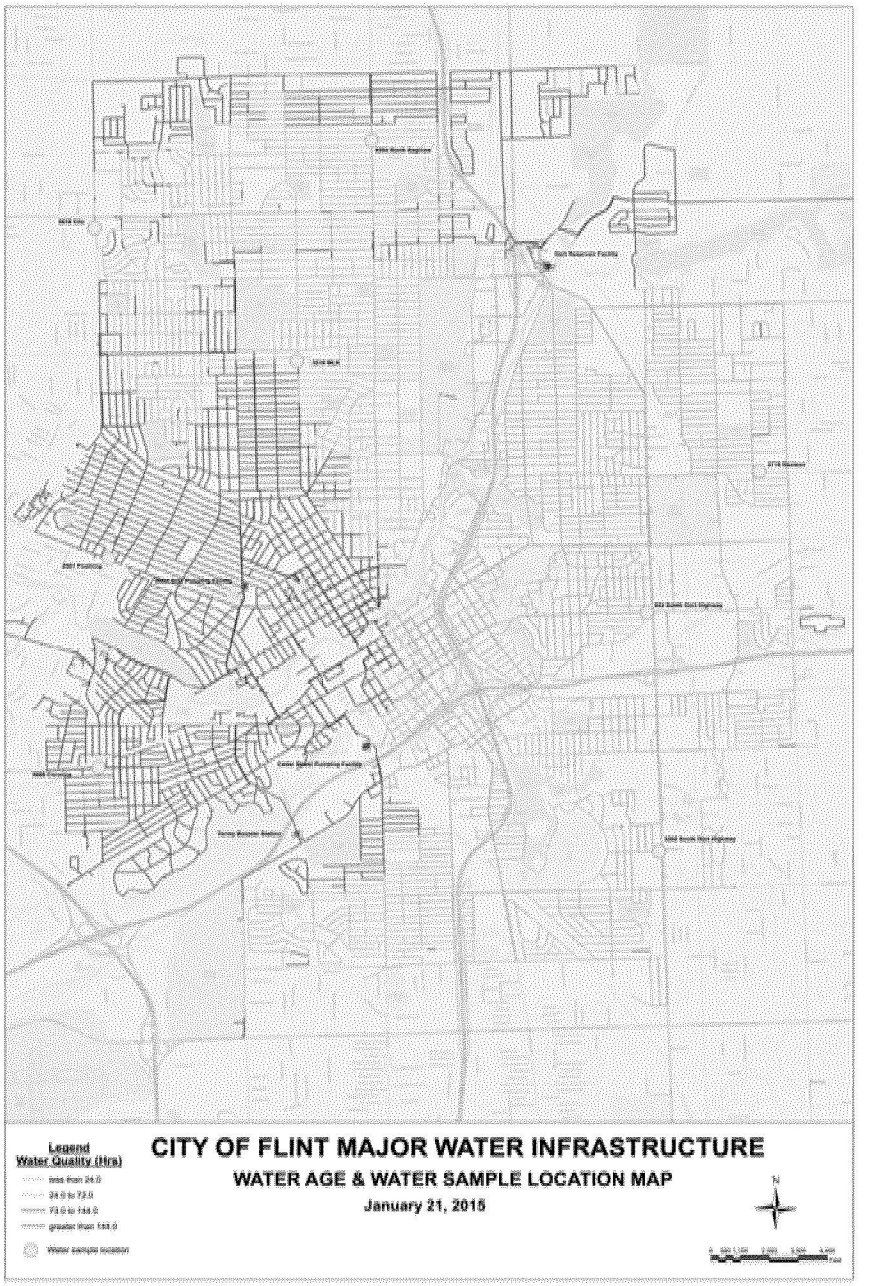
Major Streets

"Ward Y WLL = XX%" → % of ward where any water sample exceeded 15 ppb

Predicted BLL based on Ordinary Kriging Geostatistical Analysis

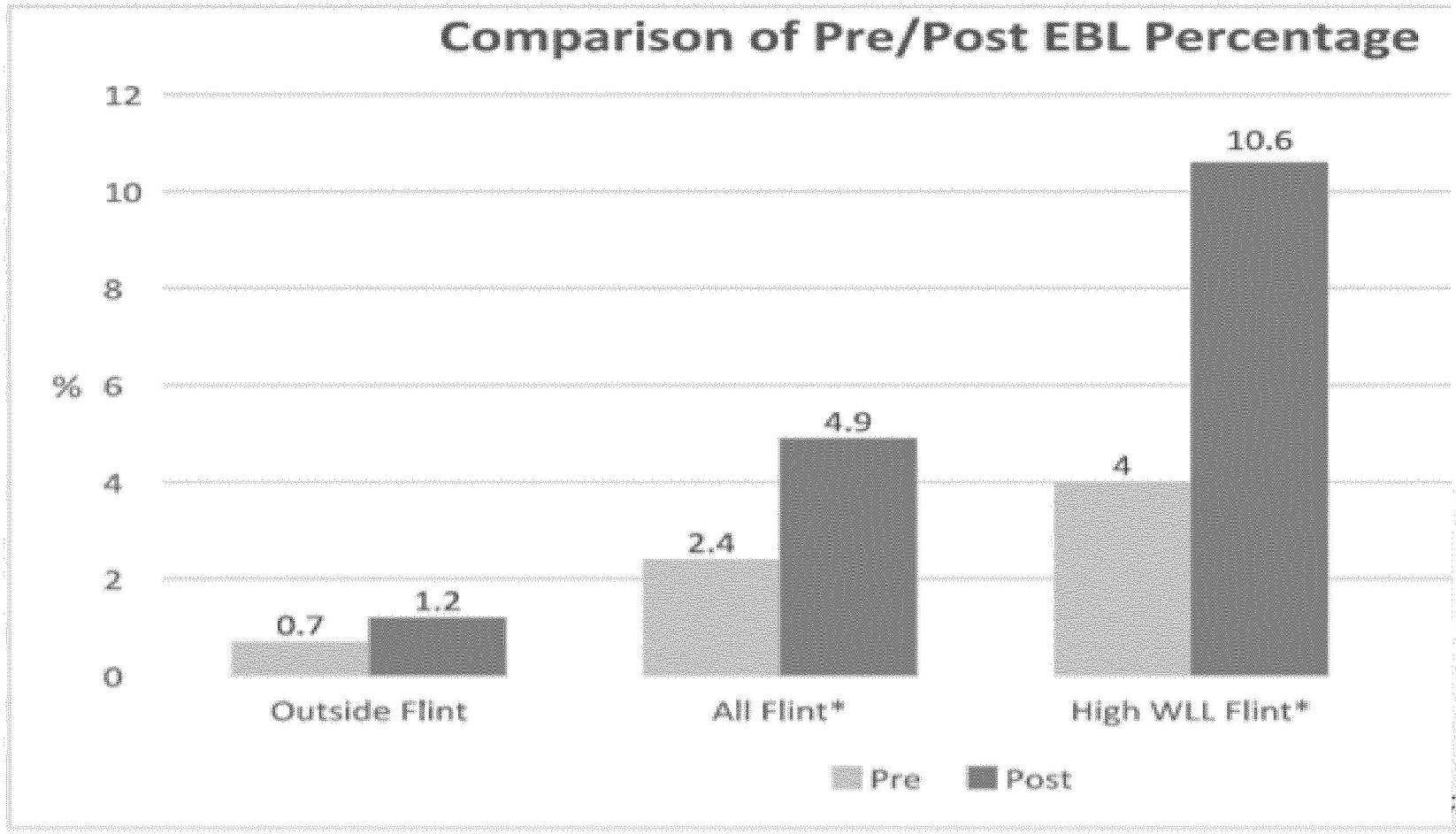
- 0.7 - 0.75
- 0.76 - 1
- 1.01 - 1.25
- 1.26 - 1.5
- 1.51 - 1.75
- 1.76 - 2
- 2.01 - 2.25
- 2.26 - 2.5
- 2.51 - 2.75
- 2.76 - 3.36

*Non-residential zones screened from results



Pre/Post EBLL

HURLEY CHILDREN'S HOSPITAL



*p<0.05

Research results

- % of children with EBLL in Flint zips increased
  - Most striking increase in areas with highest water lead levels
- **Results significantly underestimate exposure:**
  - Infants not screened for lead
  - BLL may have peaked before being measured (blood half life 20-30 days)
  - Kids exposed in different settings throughout city
- Widened disparities
- Failure of primary prevention

What happened next?

HURLEY CHILDREN'S HOSPITAL

- Sept 25 City of Flint Lead Health Advisory
- Sept 29 GCHD Health Advisory
- Oct 1 GCHD Public Health Emergency
- Oct 2 State filter program, increased water testing, expedited corrosion control
  - Oct 3 First filter distribution
- Oct 8 Three schools toxic WLL, announced reconnection to DWSD
- Oct 16 Water switched back to DWSD

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Epigenetics

Wayne State Researchers Discover Evidence That Lead Exposure in Mothers Can Affect Future Generations

Released: 2-Oct-2015 3:05 PM EDT

Source Newsroom: Wayne State University Division of Research

"A team of researchers at Wayne State University have discovered that mothers with high levels of lead in their blood not only affect the fetal cells of their unborn children, but also their grandchildren. "

Now

- Preventable population-wide exposure
- Community traumatized
- Loss of trust in government and agencies
  - In 2015, in the middle of the great lakes, no guarantee of safe drinking water
- Ongoing public health emergency

Exposed Population

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- Currently identifying/labeling exposed population
- Cohort includes all children less than 6 years who at any time lived in Flint water limits (geocoded) from April 2014 to end date unknown (extend 9 months for fetal exposure).
- Per census data, approx. 8,000-9,000 children

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Quick Introduction to ACEs/Toxic Stress…

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Adverse Childhood Experiences (ACEs)

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- ACEs are potentially traumatic events that can have negative, lasting effects on health and well-being.
- Also referred to as toxic stress or childhood trauma.
- As number of ACEs increase, the risk for health problems increase in a strong and graded fashion.
- An ACE score of 6 or more results in a 20 year decrease in life expectancy.

- CDC ACE study
  - Kaiser Permanente from 1995 to 1997 with more than 17,000 participants.

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Toxic Stresses

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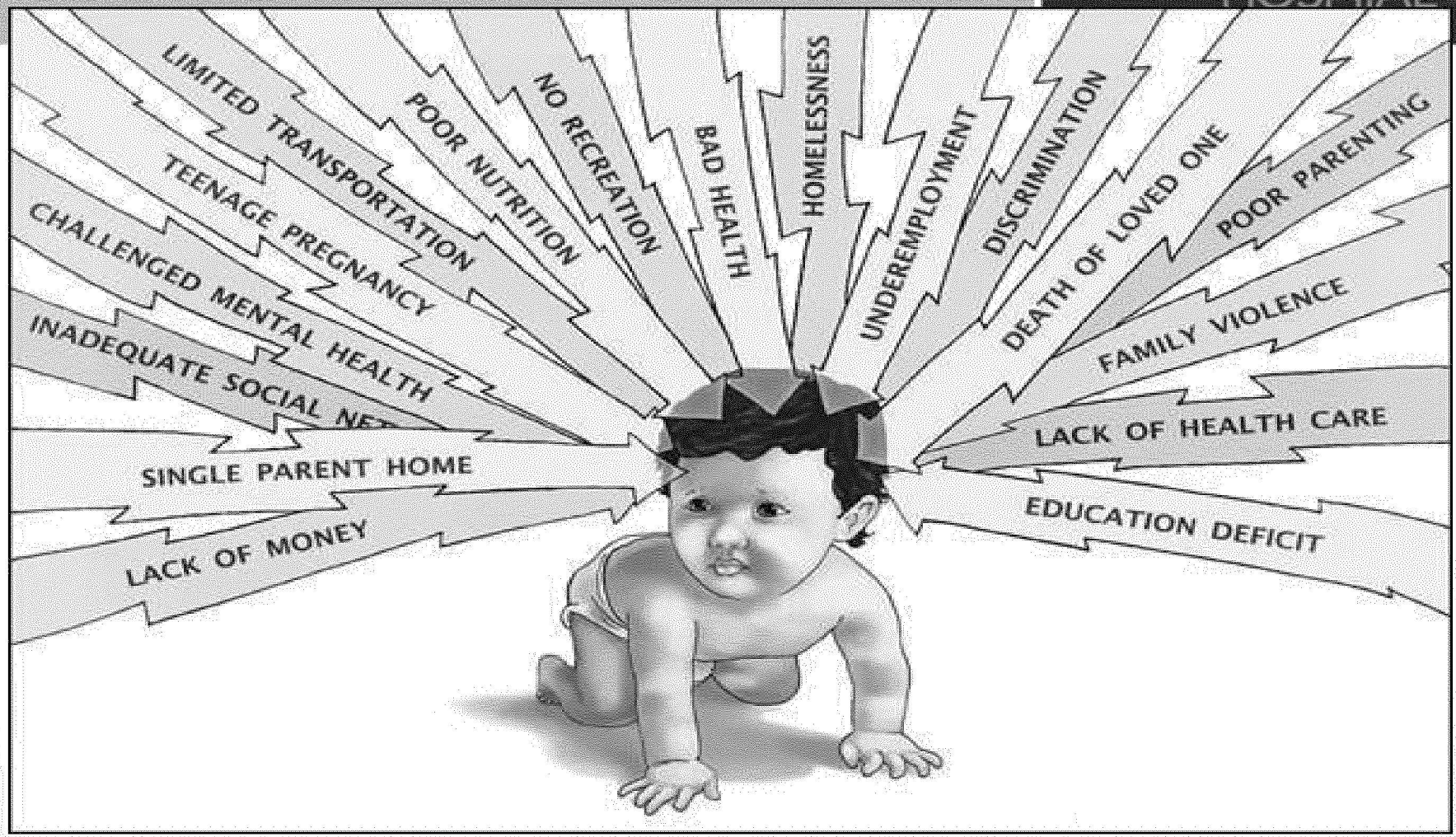

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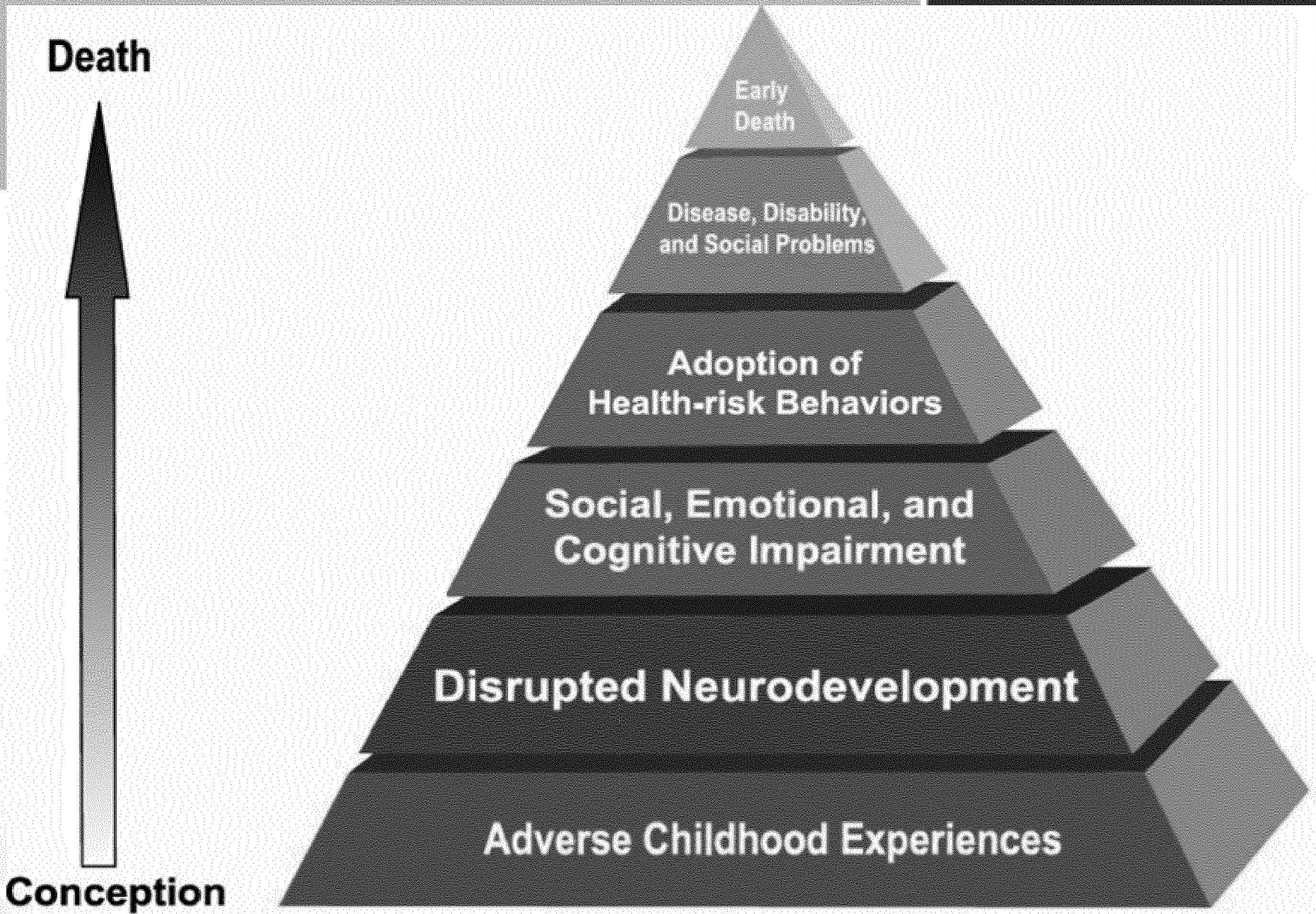
https://casaofsantacruz.wordpress.com/2014/10/08/continuing-education-webinar-how-toxic-stress-impacts-cas-children-families-communities-2/



Mechanisms by Which Adverse Childhood Experiences Influence Health and Well-being Throughout the Lifespan

http://www.cdc.gov/violenceprevention/acestudy/

EPIGENETICS

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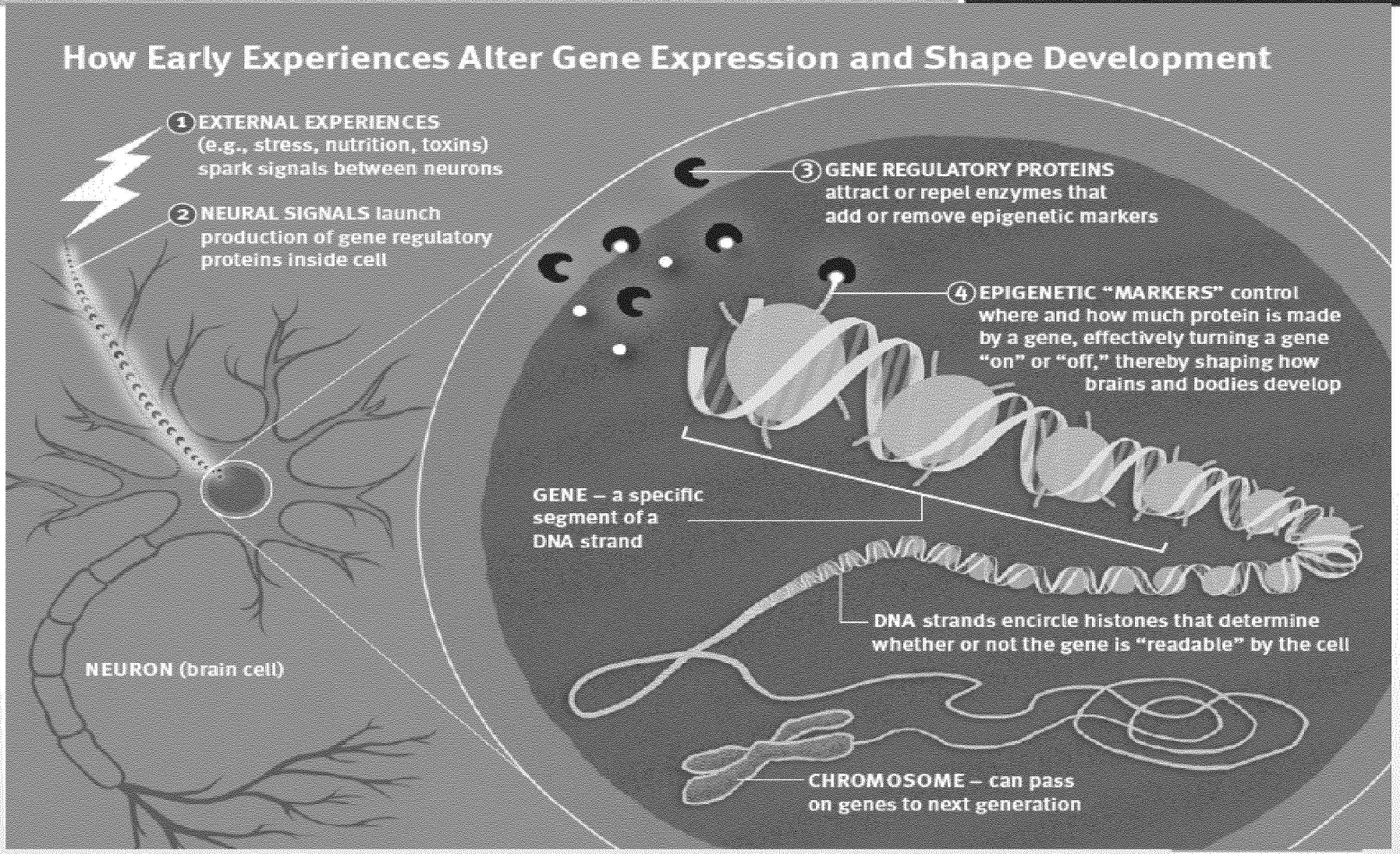

http://developingchild.harvard.edu/science/deep-dives/gene-environment-interaction/

ACE/Toxic Stress

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- Many chronic diseases/disparities in adults are determined decades earlier, by experiences in childhood (0-6 critical)
- Lead exposure is an ACE/toxic stress

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Flint kids…

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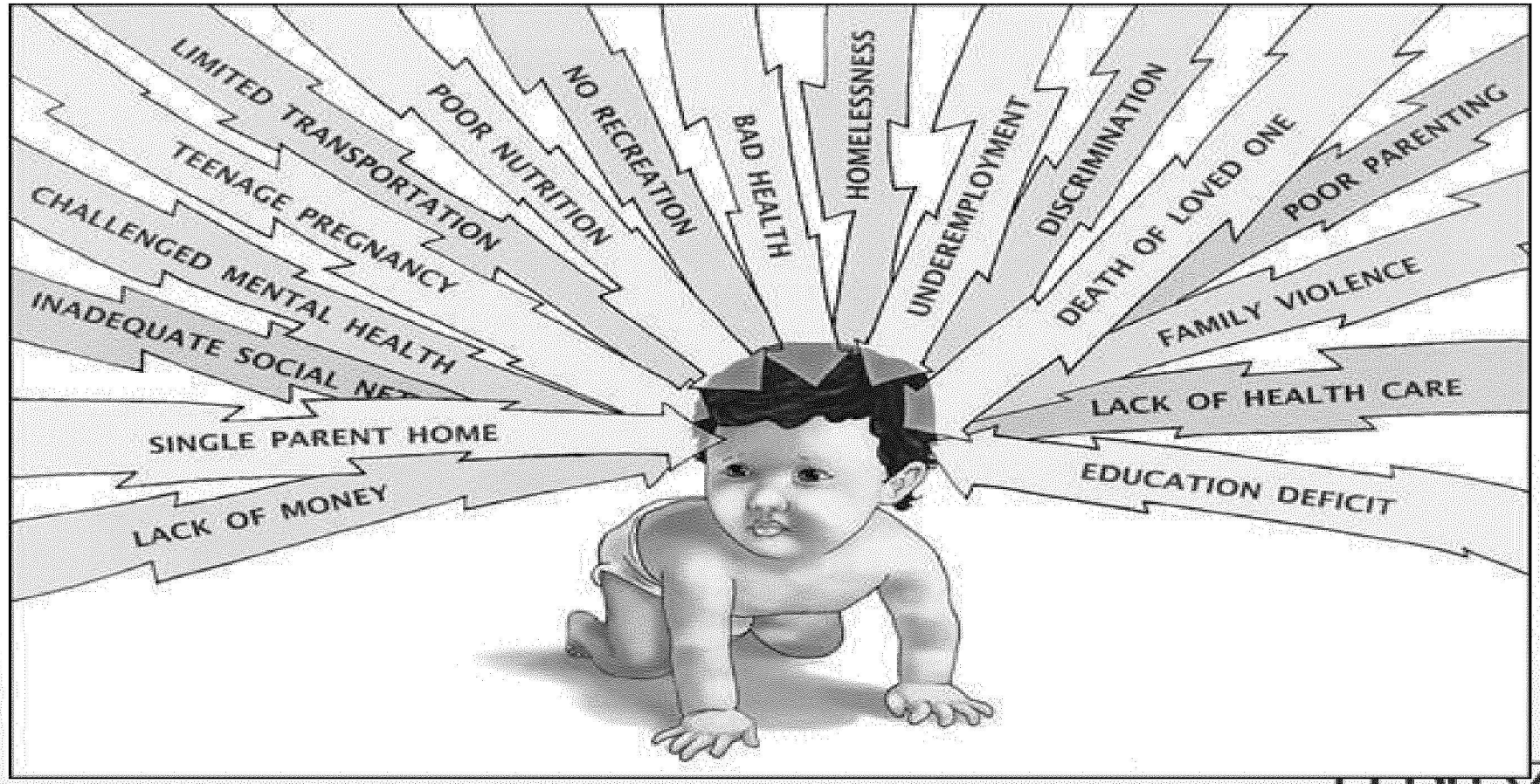

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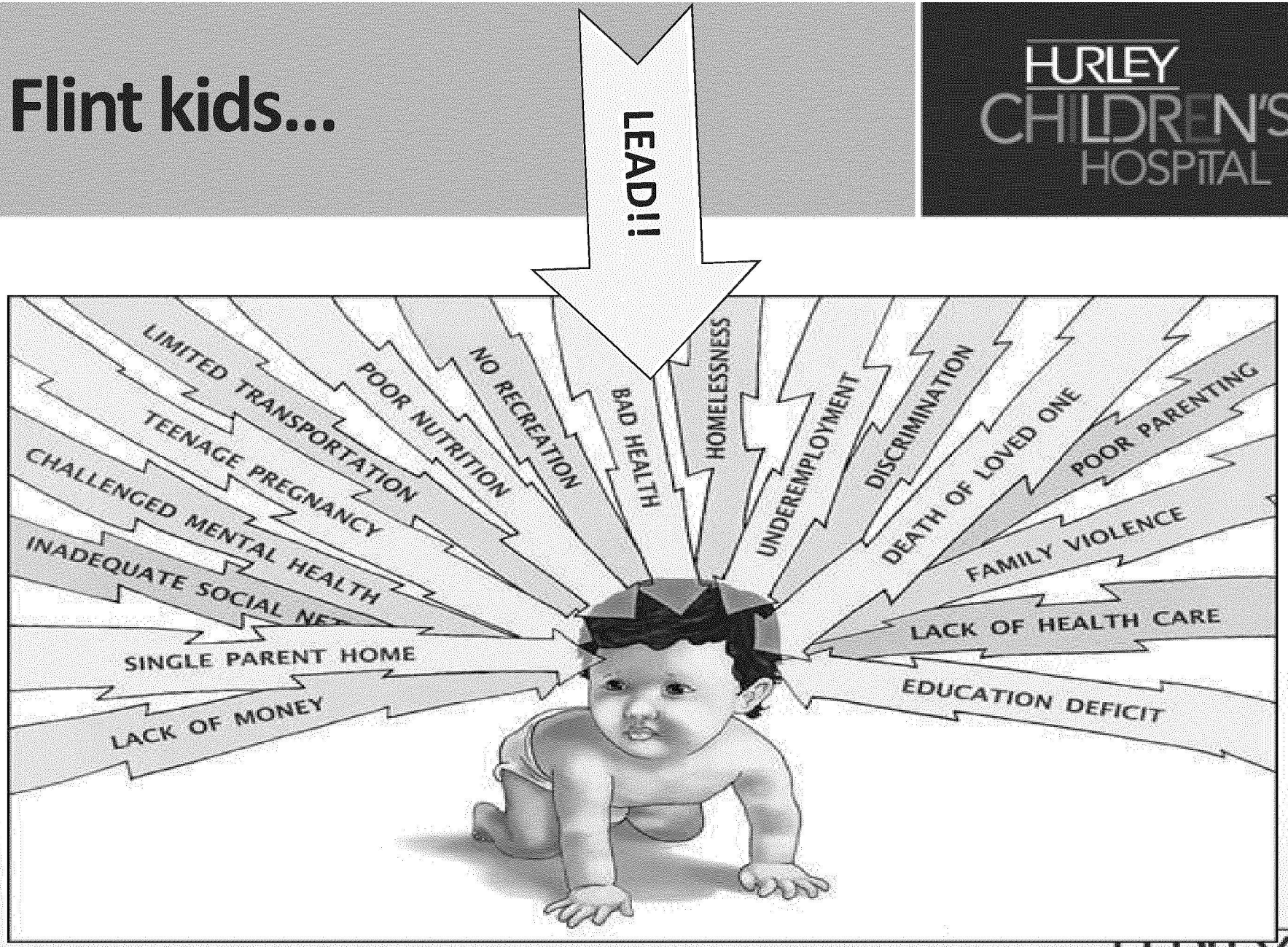
Flint kids…


LEAD!!
LIMITED TRANSPORTATION
POOR NUTRITION
NO RECREATION
BAD HEALTH
HOMELESSNESS
UNDEREMPLOYMENT
DISCRIMINATION
DEATH OF LOVED ONE
POOR PARENTING
TEENAGE PREGNANCY
CHALLENGED MENTAL HEALTH
FAMILY VIOLENCE
LACK OF HEALTH CARE
SINGLE PARENT HOME
LACK OF MONEY
EDUCATION DEFICIT

- Now what can we do???

Research/Assessment

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- Assess the impact of the exposure
  - Health impact
    - BLL
    - Longitudinal neurodevelopmental f/u
    - Cord blood Pb, brain injury markers, epigenetics
    - Retrospective fetal deaths, IUGR
  - Nutrition impact
  - Psychosocial impact
  - Water quality/infrastructure impact
- Continued monitoring
  - Academic/public health collaborations

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Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Unique opportunity to be proactive, to regain public trust, and to **buffer** impact of exposure
  - Short Term
  - Long Term

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Short-Term Secondary Prevention

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- Consistent, coordinated, multi-method, trusted messaging/education/risk communication/PSAs
  - Need for central command/hub/emergency response

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Short-Term Secondary Prevention

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- Water still not safe (public health emergency)
  - Corrosion control optimization
  - Ongoing risk from scale disruption
  - Door to door filter/replacement distribution
    - # filters distributed approx 1/3 of homes
  - Public education re water precautions (filters, flushing, cold water, cooking, infants, etc)
  - Lead plumbing

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Secondary Prevention Evidence Based Interventions

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We know what works....

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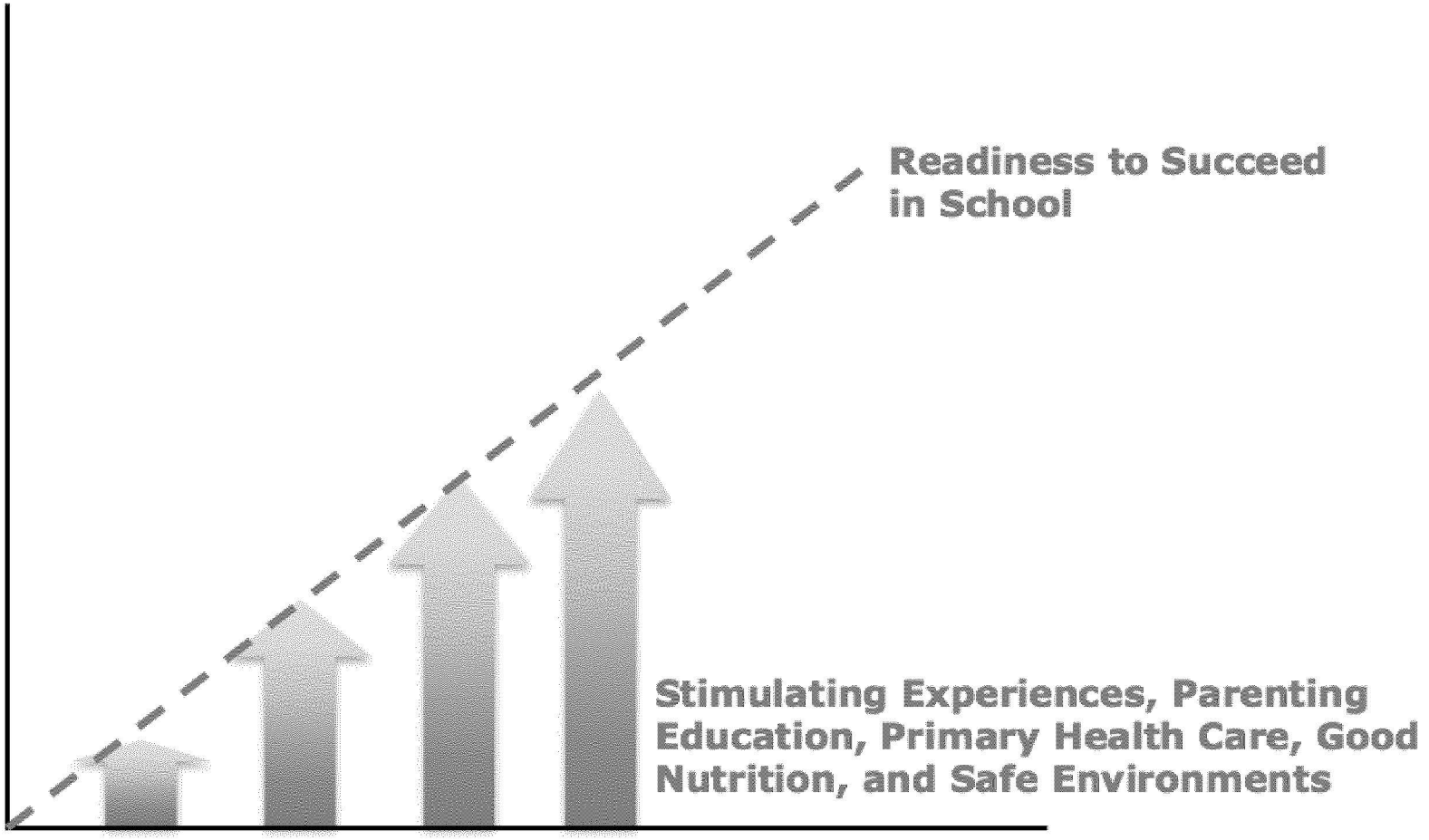

https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%201%20-%20Shonkoff%20Center%20on%20the%20Developing%20Child%20Presentation.pdf

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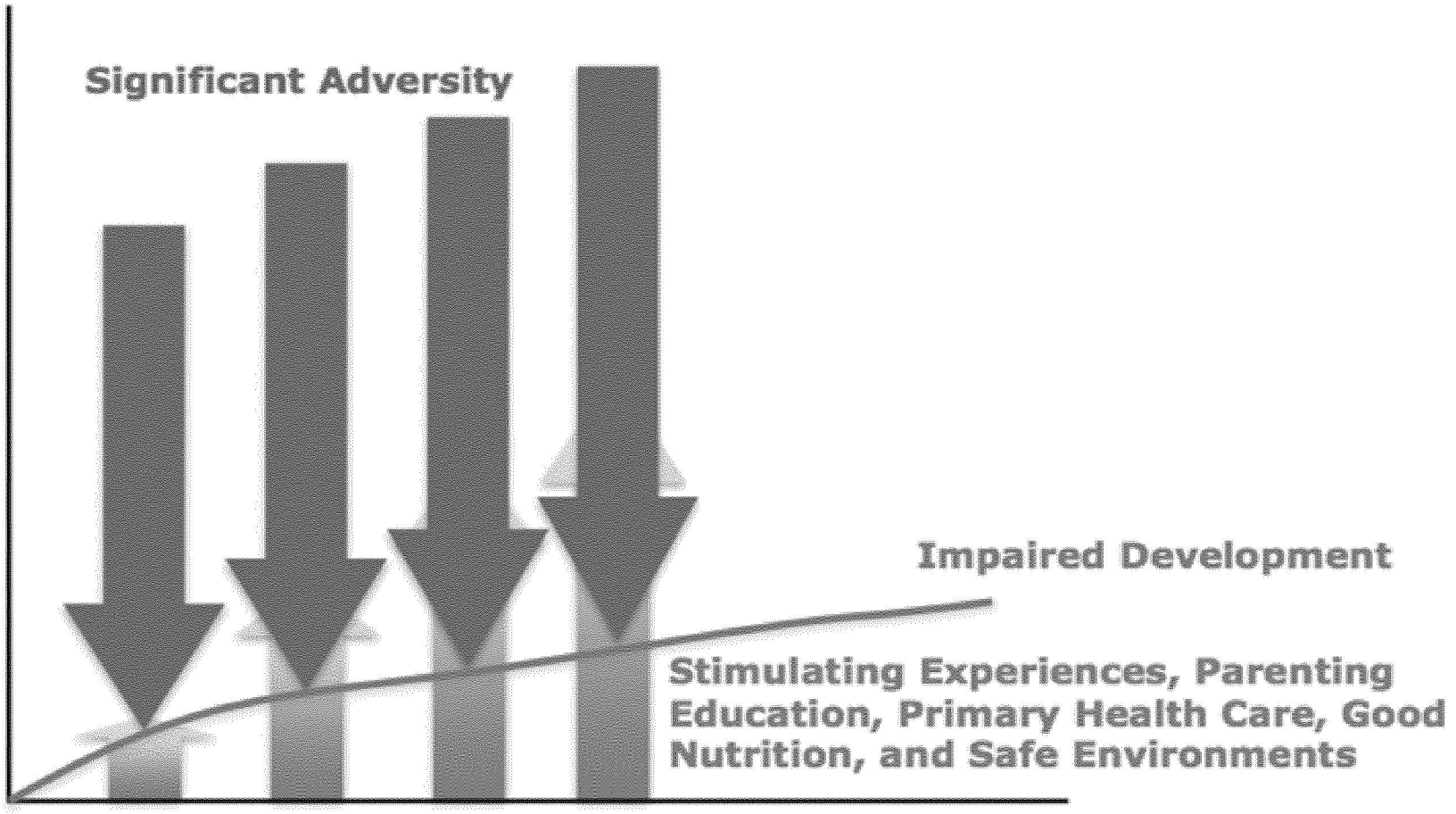
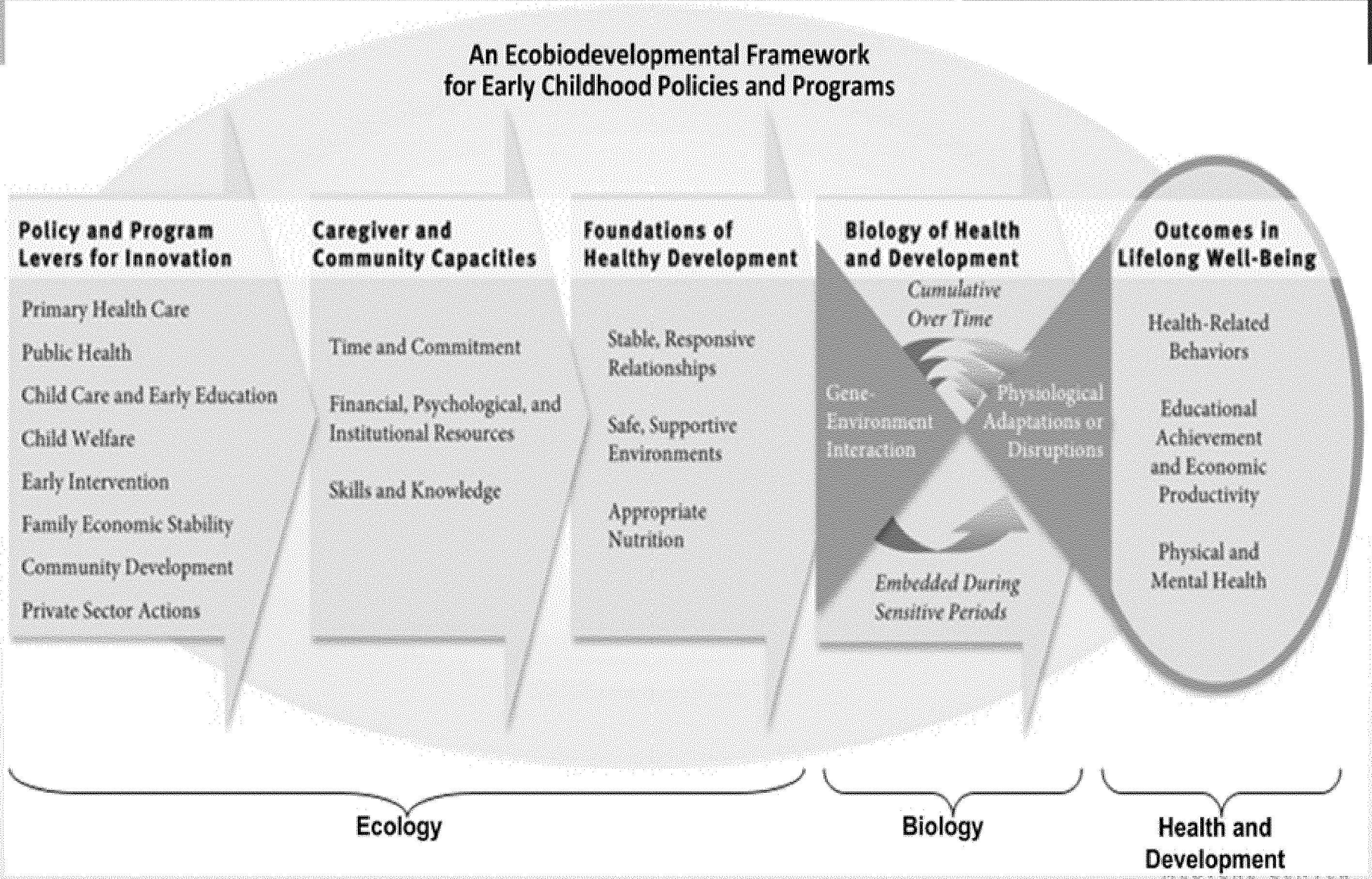
And we know what hurts…



https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%201%20-%20Shonkoff%20Center%20on%20the%20Developing%20Child%20Presentation.pdf

Evidence Based Interventions

HURLEY CHILDREN'S



http://pediatrics.aappublications.org/content/129/1/e232/F2.expansion.html

#flintwatercrisis
Secondary Prevention

HURLEY CHILDREN'S HOSPITAL

- Medical/Health
- Nutrition
- Education
- Caregiver capacity
- Water quality

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Secondary Prevention
Medical/Health

HURLEY CHILDREN'S HOSPITAL

- Support and education for primary care providers regarding aggressive long-term neurodevelopmental screening & testing
- Improve access to Developmental and Behavioral (DBP) specialists, pediatric psychologists, pediatric psychiatrists
  - Preemptive referral to mental health/toxic stress screening
  - Support capacity buliding and/or incentivize recruitment to allow Gensee Health System (CMH) to buil this capacity which is currently needed and lacking
- Increase recognition and education regarding trauma informed care, social determinants of health (SDOH)
- Consider health fund/enrollment in Children's Special Health Care Services (CSHCS) for exposed kids to cover long-term needs

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Secondary Prevention Medical/Health

HURLEY CHILDREN'S HOSPITAL

- Expand state-funded Genesee Health System (CMH) services
  - Infant Mental Health (30 capacity)
  - Child case management
  - Home-based services
  - Trauma informed care – trauma focused CBT

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Secondary Prevention
Medical/Health

HURLEY CHILDREN'S HOSPITAL

- Role of Medicaid HMO plans:
  - Support to drive patients to medical home: enhanced transportation, case management, HEDIS monitoring, pt incentives, mental health access, etc
  - Reimbursement for integrated social work, registered dietician, mental health services, OT/PT services
  - Encourage collaboration/mandate support of Genesee Children's Healthcare Access Program (CHAP)

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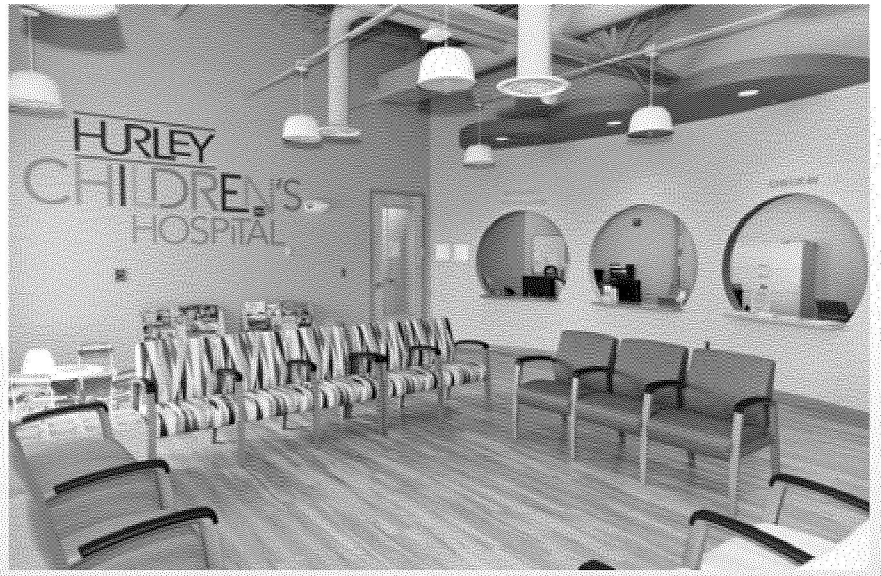
Hurley Children's Clinic

Thinking Outside The Box



- Transportation
- Social work
- WIC RD/Nutrition
- Peds Psychology
- Training site

Secondary Prevention
Nutrition

HURLEY CHILDREN'S HOSPITAL

- Short-term mitigation/protection
  - Promotion/education of Iron, Calcium, Vit C diets
- Promote enrollment and participation in pre-existing nutrition resources (WIC, SNAP, DUFB, MTA)
- Expand WIC eligibility, access (co-locate with PMD), benefits

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Secondary Prevention
Nutrition

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- Improve food access/security efforts via subsidies, pilots – grocery stores, mobile groceries, urban farming, etc
  - Buy/limit liquor licenses
- Invest in breastfeeding promotion, education, and support services

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Secondary Prevention
Education

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- Subsidize quality childcare options
- Automatic referral/assessment by Early Intervention (Early On)
- Enroll all in early head start, head start
  - Universal Pre-school/Flint Pre-Promise
- Strengthen special education capacity/trained personnel

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Secondary Prevention
Education

HURLEY CHILDREN'S HOSPITAL

- Invest in school health/wellness/behavioral health
  - School nurse:student ratio – MI ranked worst in country
  - 1:750 recommended
  - 1:6,500 Flint
- Place MDHHS employee at every school
- Model lead safe school campaigns
  - Proactive water testing, lead plumbing investigations
  - Lead mitigating school nutrition

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Investing in Children: Younger The Better

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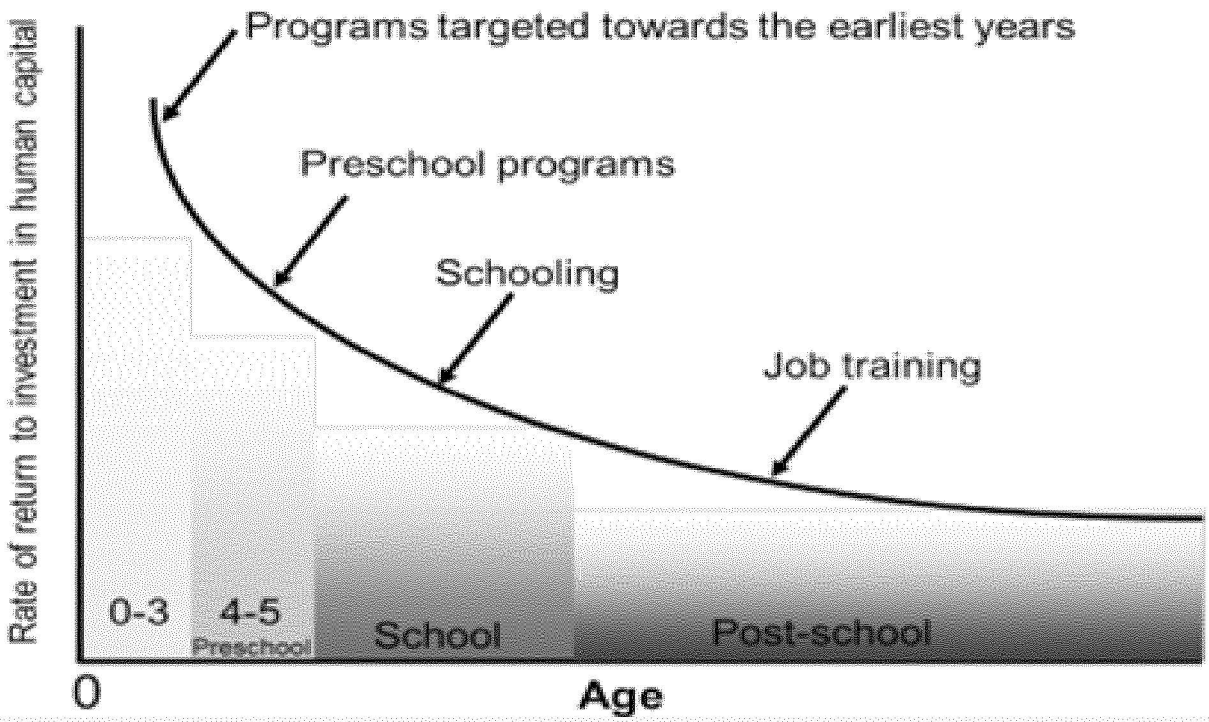
Rates of Return to Human Capital Investment at Different Ages: Return to an Extra Dollar at Various Ages



https://www.aap.org/en-us/advocacy-and-policy/federal-advocacy/Documents/Panel%202%20-%20Marks%20RWJF%20Presentation.pdf

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Secondary Prevention
Caregiver capacity

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- Toxic stress and resilience
  - "Strong, frequent, and/or prolonged activation of the body's stress-response system in the absence of the **buffering protection of a supportive, adult relationship**."

Shonkoff, J & Garner, A. (2012) The lifelong effects of early childhood adversity and toxic stress. Pediatrics, 129(1). 232-246.

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Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Need to support parents and programs to improve parenting skills
- Evidence-based parenting programs
  - Incredible Years (HCH AAP Grant)
  - Triple P
  - Everyday Parenting
  - Adventures in Parenting
  - Home visiting programs
  - Strengthening Families Framework
  - Maternal Infant Health Program (MIHP)
  - Healthy Start
  - Nurse Family Partnership (NFP)

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Nurse Family Partnership

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- 56% reduction in emergency room visits for accidents and poisonings in the second year of the child's life
- 50% reduction in behavioral problems when the children enter school.
- 48% reduction in state-verified reports of child abuse and neglect by child age 15
- 39% fewer healthcare encounters for injuries or ingesions in the first two years of life
- Increase in language scores

"Nurse-Family Partnership", Early Childhood, Social Programs That Work, Coalition for Evidence-Based Policy
hVp://evidencebasedprograms.org/wordpress/?page_id=57

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Secondary Prevention
Caregiver capacity

HURLEY CHILDREN'S HOSPITAL

- Increase support for state-funded NFP, Healthy Start and MIHP
  - Hurley-run NFP capacity for 100

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Secondary Prevention
Water Safety/Infrastructure

HURLEY CHILDREN'S HOSPITAL

- Opportunity to model best practices for lead in water monitoring to protect public health rather than a focus on minimum compliance
  - EPA Flint Safe Drinking Water Taskforce
- Flint will change water source and treat water again once connected to KWA (2016), should not be rushed
- Full lead plumbing replacement (can be targeted)

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Next Steps

HURLEY CHILDREN'S HOSPITAL

- Primary prevention failed
  - Preventable population-wide exposure
- Secondary prevention must be priority

- Invest and prioritize in evidence based interventions that mitigate exposure and build childhood resilience
  - Ages 0 to 6 years critical for life course trajectory

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Top Five Interventions

HURLEY CHILDREN'S HOSPITAL

1. Support for emergency response
2. Increase funding/capacity for home visiting maternal-infant support programs
3. Guarantee Flint Pre-Promise (3-5 year quality early education)
4. Fund RN in every Flint school
5. Encourage innovative Medicaid HMO plan and medical home initiatives (ie: CHAP)

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It's easier to build strong children than to repair broken men.

Frederick Douglass, 1855

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Additional Resources

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- Harvard Center for Developing Child
  - http://developingchild.harvard.edu/
- AAP Toxic Stress Resources
  - https://www.aap.org/en-us/advocacy-and-policy/aap-health-initiatives/EBCD/Pages/Public-Health-Approach.aspx
- Strengthening Families: A Protective Factors Framework
  - http://www.cssp.org/reform/strengtheningfamilies
- CDC ACE Study
  - http://www.cdc.gov/violenceprevention/acestudy/
- *Pediatrics* articles
  - AAP Policy Statement: Early Childhood Adversity, Toxic Stress, and the Role of the Pediatrician: Translating Developmental Science Into Lifelong Health
  - AAP Technical Report: The Lifelong Effects of Early Childhood Adversity and Toxic Stress

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#flintwatercrisis

HURLEY CHILDREN'S HOSPITAL

Thank you!

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From: Etue, Kriste (MSP)
Sent: Tuesday, December 15, 2015 6:30 AM
To: Hollins, Harvey (GOV); Baird, Richard (GOV)
Cc: Kelenske, Chris (MSP)
Subject: Fwd: Water Donation

FYI.

Are you hearing that the new Mayor wants to declare a local emergency on this water issue?

The below article is reference the water we were able to identify from FEMA.

Emergency Management/Preparedness Sector

FEMA Sends 28,000 Liters of Bottled Water to Flint amid Lead Troubles

(MLive)

Flint, Michigan: The federal government is helping to replenish the bottled water supply in Flint. Two trucks delivered about 28,000 liters of water from the Federal Emergency Management Agency to the Food Bank of Eastern Michigan today, Dec. 14. The water will then be donated to "partner agencies" in the city of Flint who will distribute the water to residents. Cassie Ringsdorf, a FEMA spokeswoman, said the agency maintains commodity stockpiles at warehouses around the country and makes them available. "These commodities are available for use, within hours, should an incident occur that requires support from FEMA," Ringsdorf said in an email to The Flint Journal-MLive. A news release from the Food Bank credited Michigan State Police Lt. Billie Jo Roach with having identified the availability of the water from FEMA. Flint remains in a public health emergency and officials have said residents should not drink unfiltered tap water because of rising lead levels while the city used the Flint River as its water source from April 2014 until October 2015. The Journal could not immediately reach a representative of the MSP Emergency Management and Homeland Security Division for further comment. FEMA said the Food Bank claimed two truckloads of water and agreed to pay all transportation costs associated with the donation.

Sent from my iPhone

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Tuesday, December 15, 2015 11:09 AM
To: Hollins, Harvey (GOV)
Subject: Flint Water Advisory Task Force

Harvey:

Are you available to attend Flint Water Advisory Task Force meeting tomorrow morning? We meet from 9:30am-12:00 noon..

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: [redacted]
Sent: Thursday, December 17, 2015 10:24 AM
To: Hollins, Harvey (GOV)
Subject: [FWD: Letter Press release]
Attachments: FWATF letter to Governor Snyder.pdf; 15.12.15 Flint Task Force Letter.pdf

Harvey

Forgot to add you on this email.

Chris De Witt
De Witt Communications
P.O. Box 4952
East Lansing, MI 48826
517-339-1700 office
[redacted] cell

-------- Original Message --------
Subject: Letter Press release
From: [redacted]
Date: Thu, December 17, 2015 9:45 am
To: "Dave Murray" <MurrayD1@michigan.gov>

Dave-here is what we are sending out

December 17, 2015

Contact: Chris De Witt
[redacted]

Flint Water Advisory Task Force Initial Recommendations

Lansing, MI--The Flint Water Advisory Task Force today released a letter recently sent to Governor Rick Snyder, and the Governor's response, regarding initial recommendations to address health protection challenges with the Flint water supply. Copies of the letters are attached.

"We felt it was imperative to make these initial recommendations to help address the water crisis in Flint instead of waiting until our final report is submitted," said FWATF Co-Chair Chris Kolb. "We appreciate the prompt acceptance of our request for action by the Governor and see it as a step forward."

"The Task Force has been holding a number of fact finding interviews with individuals and groups that have pertinent information about what happened in

Flint," FWATF Co-Chair Ken Sikkema stated. "While the Task Force is far from done with our work, the initial review has presented a very disturbing situation that will require many actions to help those that have suffered. We saw no reason to wait until the final report to make these initial recommendations. We also anticipate that we will made additional recommendations prior to the final report."

The FWATF letter included in part:

"One primary concern we have at this point is that the current efforts appear to be taking place in the absence of a larger project coordination framework that measures results and clearly delineates responsibilities for continuing actions to protect public health. We believe the state is best positioned to facilitate this larger framework, which should address the following:

1. The need for MDHHS and MDEQ—and, possibly, other state agencies--to set **goals** for actions in collaboration with local and federal agencies and organizations.
2. The need for a set of corresponding **timelines** for the goals.
3. The need to establish **responsibility** for meeting the goals in a timely fashion and for **contingency plans** for the state if the goals are not being met.
4. The need for clear, regular **communication** with the Flint community and stakeholder groups regarding action steps and updates.

We also believe it important that a single person or entity—potentially independent of any one particular state agency and mutually agreeable to this Task Force and you, Governor—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood "dashboard" should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard."

The full FWATF report is expected to be completed in early 2016.

Members of the Task Force include:

Matthew Davis, M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. Davis also is a professor of health management and policy at the School of Public Health. He previously served as the chief medical executive of the Michigan Department of Community Health/Department of Health and Human Services.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six

years and served six years on the Ann Arbor City Council. He has been president of the MEC for six years.

Lawrence Reynolds, M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center. He received his medical degree from Howard University College of Medicine and has been in practice for 36 years. He has served as president of the Genesee County Medical Society and the Michigan Chapter of the American Academy of Pediatrics. He has been honored for his humanitarian and advocacy efforts on behalf of children from the Community Foundation of Greater Flint.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal adviser for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and Senate, culminating with four years as Senate majority leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

The FWATF was formed by Governor Snyder to review actions regarding the Flint water system and offer recommendations both for Flint and Michigan to protect the health and safety of state residents.

Chris De Witt
De Witt Communications
P.O. Box 4952
East Lansing, MI 48826
517-339-1700 office
[redacted] cell

December 7, 2015

Dear Governor Snyder:

On Wednesday, November 18, 2015, the Flint Water Advisory Task Force met with representatives of the Michigan Department of Environmental Quality (MDEQ) and the Michigan Department of Health and Human Services (MDHHS) to discuss elements of the 10-point Action Plan designed to address various issues related to the ongoing public health protection challenges precipitated by lead in the Flint water supply. These discussions were held at our request as part of our task to make recommendations to prevent a similar occurrence in Flint or elsewhere, and also to monitor ongoing mitigation efforts.

Subsequent to those meetings, on Tuesday, November 24, 2015, members of the Task Force participated in a conference call with yourself, members of the Administration, and representatives of these agencies to discuss the progress to date on the 10-point Action Plan, as well as several other related issues.

We want to acknowledge the steps that have already been taken to implement the action plan, specifically in the areas of outreach efforts to facilitate blood lead testing for children, communication with health care providers in the Flint community about the importance of testing children for lead, and the training of additional public health nurses in the Genesee County Health Department. We do believe, however, that additional steps need to be taken to reach additional children for blood lead testing, assure proper follow-up with children found to have elevated blood lead levels, and to continue water testing. We will continue to assess state and local efforts and make recommendations regarding specific steps that we believe are warranted.

One primary concern we have at this point is that the current efforts appear to be taking place in the absence of a larger project coordination framework that measures results and clearly delineates responsibilities for continuing actions to protect public health. We believe the state is best positioned to facilitate this larger framework, which should address the following:

1. The need for MDHHS and MDEQ—and, possibly, other state agencies--to set **goals** for actions in collaboration with local and federal agencies and organizations.
2. The need for a set of corresponding **timelines** for the goals.
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4. The need for clear, regular **communication** with the Flint community and stakeholder groups regarding action steps and updates.

We also believe it important that a single person or entity—potentially independent of any one particular state agency and mutually agreeable to this Task Force and you, Governor—be established to provide effective coordination of ongoing activities and reporting on the status of mitigation measures. For this, we also believe a readily understood “dashboard” should be developed that reports on the goals, timelines and assignments. This will enable members of the Flint community, public health providers, and state agencies to know about the status of the Flint water crisis mitigation program, as

well as promote coordination and accountability. The Task Force is prepared to assist in the development of that dashboard.

We believe it is vitally important that trusted members of the Flint community be engaged in communication on this issue, as well as the distribution of information conveyed by our suggested dashboard reporting. Accordingly, in advance of our final report, we would like to ensure the independent coordinator suggested above engage trusted community groups to begin rebuilding community trust in state actions.

We appreciate your personal interest in this issue, commitment to assisting the Task Force in our review, and—most importantly—commitment to ensuring that the full measure of state resources are brought forward to protect the public health in Flint and throughout the state.

Respectfully yours,

Flint Water Advisory Task Force:

Dr. Matt Davis

Chris Kolb

Dr. Larry Reynolds

Eric Rothstein

Ken Sikkema

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

December 15, 2015

Dear Flint Water Advisory Task Force Members:

Thank you for your correspondence on Dec. 7, and, most importantly, for your hard work to promote public health and protect our residents as we move forward. Your efforts are both respected and appreciated.

As acknowledged in your letter, we have taken many steps to address the challenges in Flint as they relate to reducing lead exposure. I am pleased to see the progress since October, and recognize there is more work that must be done to ensure that this progress continues.

At the state level, there has been a confluence of efforts between Departments of Environmental Quality and the Department of Health and Human Services to coordinate with the Genesee County Health Department, local schools, and our partners in the non-profit community.

These partners are making progress, and we know we must always strive to improve practices and communication for continual improvement.

You make a solid recommendation to establish a person who is independent of any one of the involved state agencies to serve as the point person to coordinate the ongoing work. I am recommending that Harvey Hollins, director of the Office of Urban Initiatives, carry out this effort. Harvey is well-versed in the issues and the challenges faced by our cities and will be effective in this role. Senior members of our executive team will continue to engage with your task force and provide direction and support to Harvey to ensure you will have continued support and cooperation. We also have retained Chris DeWitt, a veteran communications specialist, to strengthen community outreach efforts to make sure residents have access to the information they need.

I also support your suggestion of a dashboard to make information about our work and progress more accessible to the Flint community. These are critical measures that can be used as we look the challenges and progress in Flint, but also can be a part of efforts moving forward in other areas of our state. It's important that people have confidence that we are working to address any problems and will take the necessary actions to improve interaction among city, state and federal agencies. We also will continue to work with the medical community to consider how we can work together on wraparound needs of children who might experience health problems.

People in Flint and across our state deserve safe, clean water. I want them to be confident that the water coming out of their tap is safe for their families. And I want them to trust that their government – at all levels – is working effectively to protect them.

I thank you again for investing your time and expertise in this vitally important effort.

Sincerely,

Rick Snyder
Governor

From: Dave Waymire [redacted]
Sent: Friday, December 18, 2015 2:18 PM
To: Hollins, Harvey (GOV)
Subject: anything we can help with on Flint Water, let me know

Tough job, but I'm not telling you anything you don't know. I know Flint pretty well (worked at Journal many moons ago; my wife's family lives in the area). Let us know if we can be of assistance.

Martin Waymire

David Waymire
Partner
O: 517-485-6600
C: [redacted]
www.martinwaymire.com

Martin
Waymire

From: Tony Gramer [redacted]
Sent: Friday, December 18, 2015 4:23 PM
To: Hollins, Harvey (GOV)
Cc: Larry Winokur; Ice 3 Lou Gramer; Geoff Eisenacher
Subject: New Position

Harvey,
Congratulations on being appointed to head up the task force to resolve the Flint water problem. It's a huge undertaking but we know you are up to resolving the problem. As we stated in our meeting we can help you with your funding needs and would like to discuss that with you once you get into the problem and are ready to attack that side of it. We can also help you with analyzing the resolve if you need to go the private sector. Good luck on the endeavor and should you want to discuss it further please let me know. The best to you and yours for the upcoming holidays.

T

From: BG Moore (UST, USA) [redacted]
Sent: Monday, December 21, 2015 4:56 PM
To: Hollins, Harvey (GOV)
Cc: Myra Ford (UST, USA)
Subject: FW: Snyder names state urban initiatives director to lead Flint water crisis response - Crain's Detroit Business

Congratulations Harvey! When you need to get a job done, you send in your best. I can see the Governor did just that.

Hope you are having a great holiday season.

Merry Christmas!

BG Moore
[redacted]

From: Myra Ford Jenkins <[redacted]>
Date: December 21, 2015 at 1:16:30 PM EST
To: <[redacted]>
Subject: Snyder names state urban initiatives director to lead Flint water crisis response - Crain's Detroit Business

http://www.crainsdetroit.com/article/20151217/NEWS01/151219811/snyder-names-state-urban-initiatives-director-to-lead-flint-water?X-IgnoreUserAgent=1&X-IgnoreUserAgent=1

Sent from my iPhone

From: Baird, Richard (GOV)
Sent: Wednesday, December 23, 2015 1:04 PM
To: Hollins, Harvey (GOV)
Subject: Role
Attachments: FLint Outline of Role and Responsibility.docx

Outline of Role and Responsibility—Harvey Hollins
Flint After Action Task Force and Local/County/State Coordination
Key Activities Draft

I. Confirm key stakeholders that should convene on a regular basis to do the following:

   a. Identify resources and support required to manage continued testing, cognitive assessment, updates on progress, impediments, community outreach, etc.

   b. Assess delivery of resources protocols and adjust (door to door, neighborhood centers, etc.)

   c. Agree a communications strategy within the stakeholder community and aggressively inform the residents of Flint of resources available and consequences of inaction.

II. Create a short/medium and long term plan to capture roles and responsibilities at the local, county, state (and federal if appropriate) levels which will be reviewed and approved by the key stakeholder body.

III. Be responsive to mayor, media, residents and all stakeholders about what currently is being done and how the way forward is being envisioned and agreed by stakeholder leadership.

IV. Work to eliminate duplication of effort and ensure that members of the science community engaged in assessing and protecting the public health have unfettered access to data, reports, etc. and establish a mutually agreeable process to surface and resolve conflicting interpretations of data when it occurs.

V. Coordinate with State departments (DHHS, DEQ, Executive Office) to secure funding needed and subject matter resources to ensure long term monitoring and remediation efforts.

VI. Ensure that the recommendations of the After Action Task Force are executed.

VII. Provide weekly status updates to Governor Snyder and members of his team charged with supporting the Chief Coordinator.

VIII. Determine how what is being done in Flint is relevant to other communities and needs to be shared as part of a state wide strategy. This may also impact future policy development to address long term infrastructure remediation.

From: Chris Kolb [redacted]
Sent: Monday, January 04, 2016 6:59 AM
To: Ken Sikkema
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Re: DRAFT DOCUMENTS: For Mayor Weaver

Rich,

Thanks for sharing this document with us. I agree with both of Ken's points and will add my two-cents as well.

One point you might want to consider, is that you have identified goals of the FWIACC that appear to be more near-term goals or action items. You may want to include an actual stated goal or goals that are more long-term or when achieved will determine when the work of the FWIACC is complete.

"Ensure safe drinking water for the residents of Flint, access to health and wrap-around services for all impacted children; ensure safe and reliable drinking water when the implementation of the switch to the KWA water source occurs; and, address long-term infrastructure needs, including replacement of lead service lines, for both the treatment and distribution of safe drinking water in Flint."

I think the Mayor will be interested in how this process will produce results; bring needed resources; correct the water situation in Flint; provided the necessary access to health services, et al., to mitigate the impact on children; and, move the City to self-governance.

It will be very important to listen to what the Mayor has to say and help to address her needs to provide resources and services to her community, and be more than willing to modify the plan based upon her input.

Thanks!

Chris

On Sun, Jan 3, 2016 at 8:15 PM, Ken Sikkema <[redacted]> wrote:
Rich:

This looks very good to me at first reading...a couple of thoughts:

(1) Key is convincing Mayor Weaver that this approach should be supported & embraced regardless of the fate of any federal declaration--I.e., this is the "bird in the hand" that is focused on the real on-going health needs, versus the federal "bird in the bush" that is not properly focused on long-term needs.

(2) EO is critical to the success of this....it establishes structure that is inclusive at the same time it can insure accountability--benchmarks & metrics need to be included. The EO can create a structure that has the potential to be more relevant, effective, and long-term than federal "declaration."

I like it.

Ken

On Sunday, January 3, 2016, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:
Ken/Chris:

We have been working on this since over the holiday break. Governor Snyder asked Harvey Hollins to send the proposal draft and draft Coordinating Committee chart to Mayor Weaver a little while ago.

We intend to stand the Committee up immediately, adjust pursuant to the Mayor's meeting with the Governor next week, and use the Executive Order capabilities of the Governor to make this group a structural long term body addressing the needs of Flint.

Call me if you have any questions. Hope you had a good holiday period.

Thanks,

Rich

Sent from my iPad

From: "Holland, Meegan (GOV)" <HollandM2@michigan.gov<mailto:HollandM2@michigan.gov>>
Date: January 3, 2016 at 3:23:12 PM EST
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>
Subject: DRAFT DOCUMENTS: For Mayor Weaver

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
[redacted]

--
Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia

Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted](cell)

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www.environmentalcouncil.org
www.twitter.com/ckolb
www.twitter.com/michenvcouncil

From: Baird, Richard (GOV)
Sent: Monday, January 04, 2016 8:19 AM
To: 'Chris Kolb'; Ken Sikkema
Cc: Hollins, Harvey (GOV)
Subject: RE: DRAFT DOCUMENTS: For Mayor Weaver

Thank you both. This is helpful. While nearing final form, this is still a draft and subject to the Mayor's input and endorsement which I hope was clear. Agree on all points except the long term infrastructure issues will be a bit out of scope for this group. That is going to be more of a legislative/executive policy and funding effort that will need a lot of local input as well.

Regards,

Rich

From: Chris Kolb [redacted]
Sent: Monday, January 04, 2016 6:59 AM
To: Ken Sikkema
Cc: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Re: DRAFT DOCUMENTS: For Mayor Weaver

Rich,

Thanks for sharing this document with us. I agree with both of Ken's points and will add my two-cents as well.

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Thanks,

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Sent from my iPad

From: "Holland, Meegan (GOV)" <HollandM2@michigan.gov<mailto:HollandM2@michigan.gov>>
Date: January 3, 2016 at 3:23:12 PM EST
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>
Subject: DRAFT DOCUMENTS: For Mayor Weaver

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

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Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
[redacted]

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Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted] (cell)

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www.environmentalcouncil.org
www.twitter.com/ckolb
www.twitter.com/michenvcouncil

From: LinkedIn Messaging <messages-noreply@linkedin.com>
Sent: Tuesday, January 05, 2016 9:53 AM
To: Hollins, Harvey (GV)
Subject: steve sent you a new message

Harvey Hollins III, MPP

steve carmody

Hello,

Would you be available for a news media interview about your new job overseeing the state's response to the Flint water crisis?

Steve Carmody
Michigan Radio
734-904-8265

Reply

Change frequency | Unsubscribe | Help

You are receiving Messages from connections digest emails.

This email was intended for Harvey Hollins III, MPP (Director of Urban Initiatives at Office of the Governor of Michigan). Learn why we included this.

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From: Mona Hanna-Attisha <MHanna1@hurleymc.com>
Sent: Tuesday, January 05, 2016 10:31 AM
To: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Education

Happy New Year!

We are having a brainstorming meeting this Thursday (2pm Flint) regarding the critical role of education in regards to the lead exposure. The small meeting (15ish people) will include pediatricians, Mott Foundation, Sen Peters staff, pastors, MSU, Flint superintendent, and county early education folks.

We would welcome anyone from Michigan Department of Education - I was thinking about reaching out to Susan Broman from the Office of Great Start. But let me know what you think may be best.

Thanks! Mona

Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
Mhanna1@hurleymc.com

From: Chris Kolb <[redacted]
Sent: Tuesday, January 05, 2016 11:40 AM
To: Baird, Richard (GOV); Hollins, Harvey (GOV)
Subject: Flint Water Advisory Task Force Meeting

Rich and Harvey,

Are you both planning on being at tomorrow's Flint Water Advisory Task Force meeting? If so, I will forward you an agenda and let you know that the meeting is at our (MEC) office, 602 W. Ionia, Lansing, MI 48933. Amble parking in the back, enter from the back parking lot.

Thanks!
Chris

--
Chris Kolb, President & CEO
Michigan Environmental Council
602 W. Ionia
Lansing, MI 48933

517.487.9539 (office)
517.487.9541 (fax)
[redacted] (cell)

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www.twitter.com/ckolb
www.twitter.com/michenvcouncil

From: Baird, Richard (GOV)
Sent: Tuesday, January 05, 2016 12:53 PM
To: Whiston, Brian (MDE)
Cc: Hollins, Harvey (GOV)
Subject: Flint

Brian,

Would you consider having someone from MDE attend? Dr. Mona is at the center of our planning for remediation in light of the Flint water emergency. Happy to talk real time.

Thanks,

Rich

Sent from my Verizon Wireless 4G LTE DROID
---------- Forwarded message ----------
From: Mona Hanna-Attisha [redacted]
Date: Jan 5, 2016 10:31 AM
Subject: Education
To: "Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Cc:

Happy New Year!

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We would welcome anyone from Michigan Department of Education - I was thinking about reaching out to Susan Broman from the Office of Great Start. But let me know what you think may be best.

Thanks! Mona

Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine

From: Headen, Frederick (Treasury)
Sent: Tuesday, January 05, 2016 4:56 PM
To: Hollins, Harvey (GOV)
Cc: Workman, Wayne (TREASURY)
Subject: Flint RTAB

Do you have a moment sometime this week to discuss a Flint RTAB matter?

From: Latrelle Holmes <[redacted]>
Sent: Tuesday, January 05, 2016 5:07 PM
To: Hollins, Harvey (GOV)
Subject: Re: 2016-01-05 Flint Water Governor's Declaration Final.pdf

Good news

Sent from Yahoo Mail on Android

From:"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
Date:Tue, Jan 5, 2016 at 5:03 PM
Subject:2016-01-05 Flint Water Governor's Declaration Final.pdf

From: Kelenske, Chris (MSP)
Sent: Wednesday, December 30, 2015 11:26 AM
To: Baird, Richard (GOV); Hollins, Harvey (GOV)
Cc: Etue, Kriste (MSP); Gorski, Gary (MSP)
Subject: Request for Flint Resource List

Per your request and our earlier discussion, below is the email I sent to the Flint City Administrator requesting the list of resource needs. Anything you can do to get this would be appreciated.

Chris

Begin forwarded message:

> **From:** "Kelenske, Chris (MSP)" <KelenskeC@michigan.gov>
> **Date:** December 22, 2015 at 8:54:27 AM EST
> **To:** "nhenderson@cityofflint.com" <nhenderson@cityofflint.com>
> **Cc:** "Roach, Billie Jo (MSP)" <RoachB@michigan.gov>, "skammer@cityofflint.com" <skammer@cityofflint.com>
> **Subject: Needed Resources**
>
> Natasha
>
> It was a pleasure to meet you yesterday and I appreciate the dialogue we were able to have. It was mentioned that Flint has a list of resource needs. Can I get a copy of that list so we can look at ways we may be able to assist the City of Flint?
>
> Chris
>
> Capt. Chris A. Kelenske
> Deputy State Director/Commander
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> (517) 333-5042
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."
>
>
>

JOIN THE MSP

From: Kelenske, Chris (MSP)
Sent: Wednesday, December 30, 2015 11:37 AM
To: Baird, Richard (GOV); Hollins, Harvey (GOV); Etue, Kriste (MSP)
Cc: Gorski, Gary (MSP)
Subject: Fwd: Flint IAP
Attachments: IAP Flint Water 2015-12-29.pdf; ATT00001.htm

I just received the attached. I will review but will be on the road for a few hours. I am having computer issues so let me know if this does not come through.

Begin forwarded message:

> **Subject: Flint IAP**
>
> Sirs, FYI, or perhaps you've received this already, but this was just posted in MI CIMS.
>
> Tom Weber, PEM
> State Planning Unit Manager
> Emergency Management and Homeland Security Division
> Michigan State Police
> 4000 Collins Road
> Lansing, MI 48910
> Mobile: [redacted]
>
> "A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"

CITY OF FLINT

INCIDENT ACTION PLAN

STATE OF EMERGENCY

Objectives:

To provide short term relief and long term solutions in addressing the man-made emergency of increased lead levels in the City of Flint (the "City") water system resulting from the switch to Flint River as the City's water source as well as the threat to public health related to elevated blood lead levels in Flint residents, without interruption of the provision of public safety and other essential public services. Due to the fluidic nature of emergencies and the complexity of the City of Flint's declared emergency, this plan serves as a framework and may be altered as the emergency develops.

The Response Framework

The purpose of this plan is to organize efforts on behalf of the city to assess the extent of the City's infrastructure needs and risks to public health, provide immediate relief to those who are at risk, and establish long term solutions. In addition, the city must ascertain what immediate relief and long term solutions the City is capable of implementing based on what resources are available. For any activities that are beyond the resource capacity of the City, external sources of funding, supplies, and manpower must be sought.

There are a number of steps that must be taken in accordance with the Flint Emergency Support Operations Plan (SEOP), in order for the City to be compliant with the Genesee County Emergency Action Guidelines. These include the activation of the Incident Management Team, the Emergency Operation Center, and the sharing of essential documents with the County, including this plan. Information must also be shared by the City's Public Information Officer on a regular basis, as required by the SEOP.

This plan calls for the provision of immediate relief to those at risk in our community. Special consideration must be given to residents who belong to underserved groups, such as those who are homebound, undocumented, in poverty, etc. Additional consideration must also be given to the equitable provision of services throughout our community in order to equally protect the health and safety of every member of our community.

Implementation of this plan is to be conducted by the Incident Management Team, which will monitor the effective delivery of goods and services in order to address the conditions of the emergency.

Understanding the Issue:

October 1, 2015, the Genesee County Health Department issued a Public Health Emergency after elevated blood-lead levels were found among children in the City of Flint. This incident correlates with elevated levels of lead found in the City's drinking water after the City switched water sources in April of

2014 to the Flint River. The scope of this problem appears to be limited to Flint City Water Customers and their dependents. Public agencies from several levels of government, as well as charitable, nonprofit organizations have partnered with the City to provide immediate relief to Flint residents, including the expansion of health services, the provision of bottled water and NSF rated water filters. The city is also seeking long term infrastructure improvements to eliminate lead and other contaminants from the water system.

Gov. Rick Snyder appointed a task force to review "actions regarding water use and testing in Flint" and to make recommendations for future guidelines: Members of the state task force are Ken Sikkema of Public Sector Consultants, Chris Kolb of the Michigan Environmental Council, Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center.

In an effort to halt the further escalation of this crisis, the City returned to receiving its water from the Detroit Water and Sewerage Department (DWSD) on October 16, 2015. Since that time, additional corrosion control program has started, estimating a reduction of lead levels over the next six months. In light of these efforts, concerns surrounding the quality of water and health of the residents persist to the point that Mayor Karen Weaver declared a State of Emergency on December 14, 2015 so as to resolve this crisis once and for all.

The current challenge facing the City is providing immediate relief and long term solutions of the quality of the water and health of residents while the City remains in a financially critical condition. It is hoped and expected that higher levels of government recognize this emergency as it pertains to the condition of the City's infrastructure and health of its residents, and do all things necessary to assist the City in the provision of relief and the execution of capital improvement projects that will eliminate the causes of this emergency.

Enhancing Understanding:

Information Collection

Essential Elements of Information (EEIs) can be qualified as the City's water tests containing lead results, the verification of lead water lines (both public and private), and health information. Water testing is performed by the City's water plant in cooperation with the MDEQ. The verification of lead water lines is being handled by University of Michigan Flint, who is currently digitizing the City's water line information and PSI Engineering, who is initiating the effort to verify lead lines by excavating an initial 150 residential lines. This information allows the Incident Management Team to assess the current condition of the emergency by way of determining the water quality and the condition of the water distribution infrastructure.

Information Analysis

The City has sought partners to assist in the analysis and attenuation of complex data. Wayne State University's center for Urban Studies has agreed to assist the City in its efforts to document and track lead water lines, water test results, and filter distribution with geographic information system (GIS) technology. This allows for easily updateable, digestible information to be presented to officials.

Assessment of Impacts

The City will need assistance in determining the total cost of damage done to the public health and infrastructure. As of now, only portions of this damage are visible.

PSI is providing some assistance by excavating 150 residential water lines to verify that they are comprised of lead. This is an initial step, but not enough. More resources will be needed to continue this process.

Continuous Situational Awareness

It is important that the Emergency Management Team receive continuous information regarding water testing results, lead water line numbers, and filter distribution information in order to gain a realistic and current perspective. Much of his information is currently available on the City's website (cityofflint.com) and more is added each week by the PIO team.

Actions taken in Response to the Emergency

Activation of the Incident Management Team

Upon the declaration of Emergency by Mayor Weaver, the Support Emergency Operations Plan (SEOP) was activated. The SEOP calls upon the Incident Management Team to generate the Incident Action Plan (IAP. Each member of this team serves a specific function as it relates to addressing the causes and effects of the emergency. The Emergency Management Team roster can be found in the SEOP on page 3, with a list of alternates on page 4 in case the need for succession arises.

Emergency Operations Center

The Emergency Operations Center (EOC) must be activated upon the declaration of a State of Emergency by the Mayor. This center is required by the SEOP and serves as a nerve center for the Incident Management Team. Here, emergency relief efforts are coordinated by key members of the Incident Management Team. In this case, these relief efforts consist of the distribution of water filters at

City Hall and community events, the distribution of bottled water throughout the city in conjunction with the efforts of community partners, and assisting with the circulation of water testing kits throughout the community. The EOC will also be monitoring and managing the inventory of relief supplies, such as water filters and bottled water.

According to the SEOP, the EOC must establish an incident tracking system. This system will serve as a work plan for the management of the emergency. In addition, it is essential that the IMT record water testing results, lead water line location information, and information about the distribution of water filters and bottled water all in one place so that information is readily available for the Incident Management Team. This information will also be sent out to the public and media in the form of daily regular updates by the City's PIO.

Communication

The EOC maintains a telephone system that exists to intake questions about relief efforts and to organize relief logistics. It is open from 8am to 5pm, Monday through Friday. A voicemail system and eventual email system will exist to handle requests and inquiries that occur outside of the normal operating hours. This system will be constructed by the City's IS department.

Public Awareness and Education

1. **Emergency Alerts and Updates:**
   The City's Public Information Officer will make available information as it relates to the emergency in the form of press releases, emails, and physical documents. Daily updates containing information on the distribution of water filters, bottled water, water testing, blood lead testing, and other relief efforts will be available on the City's website for the public to view. Information will be available at City Hall for residents.

2. **Joint Information Center:**
   The City's PIO will establish a joint Information Center that is organized to coordinate the efforts of multiple agencies to communicate with the public. This includes the circulation of joint press releases, public health information, educational materials, and updates relating to the State of Emergency. This committee is comprised of public information officers and public relations personnel to coordinate efforts to keep the public updated and informed. Regular updates to the media regarding events and progress will be made as news develops.

   The US EPA has offered assistance in the form of Public Information support. Additional support in this area has been provided by the Michigan State Police.

3. **Education:**
   Many government agencies and philanthropic organizations are already distributing information regarding the effects of lead on public health. It is important that the City assist in these efforts so vital information and knowledge is presented to all members of the community. The goal is to continue to eliminate misunderstandings and incorrect information as it relates to reducing lead in drinking water, pursuing medical help, and maintaining a healthy diet to reduce lead absorption in the body. Lead education is currently being performed by the Genesee County Health Department, the Michigan Department of Health and Human Services and Medical community at-large.

Assessment of Social Needs

In order to effectively and equitably provide immediate relief to Flint water customers, the City must take into account many of the socio-economic needs and limitations of the community. Some residents cannot get to City Hall for a water filter. Some residents do not have internet access. Literacy or a language barrier may also pose significant obstacles to the effective distribution of educational information and relief to those in need. These will be continuing challenges facing the community. At present these are the resources the City has available to mitigate some of those challenges.

Logistics

Logistics are being coordinated by the City Emergency Management Team's City's *Chief Logistics Officer*, who is the City Administrator. The CLO is responsible for the coordination, procurement, and transportation of goods and services, which is essential for effective implementation of the response plan.

Fixed Distribution Points

There are several locations throughout the city where residents may acquire a water filter. These locations are:

Flint City Hall
1101 South Saginaw, Flint MI 48502

Genesee County Community Action Resource Department (GCCARD)
601 North Saginaw, Flint MI 48502
and
2727 Lippencott Blvd, Flint MI 48507

Michigan Department of Health and Human Services
4809 Clio Road, Flint MI 48504
and
125 E. Union Street, Flint, MI 48502

Activation of Ward Distribution Centers

Each of the nine wards will have activated distribution centers that are primarily managed by City Council Members or their designees.

Flint City Council – Water Distribution Sites

WARD	COUNCILPERSON	LOCATION	ADDRESS
1	Eric Mays	Hasselbring Senior Center	1002 W. Home Avenue
2	Jackie Poplar	Joy Tabernacle Church	2505 N. Chevrolet Avenue
3	Kerry Nelson	Antioch Baptist Church	1083 E. Stewart Avenue
4	Joshua Freeman	Flint Fire Station No. 5	3402 Western Road
5	Wantwaz Davis	Doyle/Ryder Elementary School	1040 N. Saginaw Street
6	Herbert Winfrey	New Community Baptist Church	1375 Lavender Avenue
7	Monica Galloway	Brennan Community Center	1301 Pingree Avenue
8	Vicki VanBuren	Flint Southwestern Academy	1420 W. 12th Street
9	Scott Kincaid	Dort Mall Police Service Station	3600 S. Dort Highway

Mobile Distribution Centers

With the help of transportation agencies, like the Metro Transit Authority (MTA), meals on wheels, and GCCARD, the city can help establish mobile distribution centers and delivery systems that can provide water filters, bottled water, and nutritious foods, among other types of relief accompanied by educational materials to neighborhoods and to homes of people who experience limited mobility.

- Mass Transportation Authority-MTA bus passes: Assisting residents with bus passes to improve their mobility will increase their chances of receiving help. Transportation services will also improve residents' access to medical care.
- MTA-Your Ride mobile distribution:
    - Estimated Costs: $25 per hour to deliver water and filters to homes throughout the City.

Problem 1. Public Health Emergency

The first objective in addressing this emergency is reducing, and eventually eliminating, the danger to public health. As City water coming out of faucets continue to contain lead, and copper and other

harmful contaminants exceeding government guidelines and regulations, it poses a risk to the people of our community. Preventative measures must be taken to avoid the effects of toxicosis that are difficult if not impossible to completely reverse.

As far as preventative measures are concerned, education, water filters, and bottled water must be provided to every household in the City in order to reduce the chances of lead exposure, especially to our most vulnerable members of the community. If lead exposure has occurred, resulting in elevated blood lead levels, immediate and sustained medical attention must be available to those affected. Health services must be expanded in the area to accommodate increased numbers of case loads and specialized care regarding lead poisoning and its effects.

Immediate Relief for Public Health:

1. Prevention: Education, water filters and replacement cartridges, free water testing, and bottled water must be available to everyone.
2. Access to nutritious food that reduces the risks of lead absorption by the body. The City can coordinate activities with the County Health Department

Long Term Solutions: Maintaining Public Health and Coping with Lead Exposure

1. Work closely with the Genesee County Health Department and Michigan Department of Health and Human Services in order to provide sustainable care and monitoring of children exposed to lead. This care must be available for them for several years-preferably several decades.
2. Support and education for primary care providers regarding aggressive long-term neurodevelopmental screening and testing.
3. Improved access to developmental and behavioral (DBP) specialists, pediatric psychologists, pediatric psychiatrists.
    a. Pre-emptive referral to mental health/ toxic stress screenings.
    b. Support capacity building and or incentivize recruitment to allow Genesee health system (CMH) to build this capacity which is currently needed and lacking.
4. Increase recognition and education regarding trauma informed care, social determinants of health (SDOH).
5. Expand State funded Genesee Health System (CMH) services.
    a. Infant mental health (30 day capacity)
    b. Child case management
    c. Home based services
    d. Trauma informed care- trauma focused CBT

Problem 2. Lead Contamination in the Water

Immediate Relief:

1. Education, water filters and replacement cartridges, free water testing for water customers, and bottled water must be available to everyone. Water filters can be obtained at any of the fixed distribution points throughout the City.
2. Identification and verification of lead water service lines throughout the city- both public and private.
3. Assistance to identify lead pipes within buildings and homes.

Distribution of Bottled Water:
At this point, we are directing all offers for donations to the Food Bank of Eastern Michigan. It is imperative that water be accessible to all members of the community through a variety of distribution channels. These channels are explained in the Logistics Section of this plan.

Distribution of Test Bottles:
Water testing kits can be picked up at City Hall with instructions. Test results are posted on the City's website to raise public awareness and encourage more participation.

Long term Solutions: Capital Improvements Needs
The distribution of filters, water, and food to counter the effects of lead are essential response efforts to keep people safe. However, long term solutions are required to keep people healthy, to eliminate lead from the public and private water distribution system distribution, and to provide affordable clean water. Our public infrastructure and utilities must be reliable, sustainable, and equitable in order for this community to rebound after this emergency. The following long term solutions must be implemented in order to set the City of Flint on a course for recovery. These solutions come at a heavy cost for a City that is currently in receivership. The City has experienced financial distress due to this Emergency, in addition to a two million dollar loss from switching back to DWSD. The City has diligently applied for Fiscally Distressed Cities, Villages, and Townships, Grant in order to supplement funding for capital improvement projects. It is essential that these grants be awarded in order to achieve long term solutions.

1. COMPLETE **Transition to a Temporary Safe Water Source until the Completion of KWA:**
   This has already occurred. On October 16, 2015, Flint returned to receiving its water from DWSD on a 9 month agreement. This agreement will expire in June 2016, when the KWA is projected to be complete. The City had to pay $2 million out of its general fund to make this switch.

2. IN PROGRESS **Additional Corrosion Control added to the Water System:**

This is already occurring. In early December, 2015, Flint began to add additional corrosion control to the water coming in from DWSD in attempts to rebuild the protective scale inside its pipes. This is estimated to reduce lead levels in two to six months.

3. **Faucet Replacement:**
   Replacement of Water faucets, and drinking fountains in the school system. It has been determined after state inspections that many sources of lead contamination in the School System's water were the faucets themselves. These faucets need to be replaced.

4. **Water Line Replacement:**
   Water Line Replacement to reduce antiquated infrastructure and lead service lines. These lines must be identified, verified, and replaced. Residents who are facing financial hardships must have access to assistance to cover the costs of these replacements through access to grants and (forgivable) loans made available through State and Federal agencies. The corrosion damage to public and private lines that Flint River water caused is still being determined.
   - Replacement of an estimated fifteen thousand (15,000) lead service lines at an estimated cost of three thousand dollars ($3,000) per line. Total costs forty –five million dollars ($45,000,000). This project is estimated to be one of the most cost-intensive endeavors related to ameliorating water contaminants.

5. **Reimbursement of Critical Expenditures:**
   Seeking reimbursement of two million dollar cost of returning to DWSD and forgiveness of Water Revolving Loan Debt from the State of Michigan.

6. **KWA Capital Improvements**: The City has reconnected to Detroit temporarily until a water line from Port Huron is developed. The new water line known as the KWA pipeline or Karegnondi Water Authority is expected to bring water to the City from Lake Huron by July. The current cost agreement between Flint and DWSD is for nine months, therefore it is imperative that KWA be completed as soon as possible. Assistance relating to capital improvements to expedite this process will help to achieve long term goals.

KWA Capital Improvements:	**Estimated Costs:**
a. Transfer Station to Dort Reservoir	*$4,500,000*
b. Raw water line to pump station #4	*$636,000*
c. Phosphoric acid feed system	*$186,000*
d. Alum Feed system	*$40,000*
e. Post filtration system	*$387,289*

f.	*SCADA Upgrades*	*$424,000*
g.	*Sewer Relining*	*$100,000*
	Total	***$6,273,289***

Ancillary Considerations: Public Safety during an Emergency

During a time of emergency public safety agencies need to be prepared to respond to threats to public safety and critical infrastructure. The City is facing a man-made emergency that is threatening the public health. Resentment and hostility toward local institutions and municipal government is at a significant level.

Critical infrastructure should be safeguarded if the need arises. This includes increasing security at City Hall to reduce potential for public safety risks. In the case of credible threats to public infrastructure, it may be required to hire private security company for first line of defense. Private Security is lower cost, thereby making it the first option. The minimum response is acted upon first, elevating only if the need arises. Credible or imminent threats of damage or destruction to critical infrastructure requires an elevated response. Such needs may require over-time police officers to address critical situations. Mutual aid from surrounding communities can be requested if Flint public safety is overextended.

Implementation:

Community Partners

Financial limitations of the city persist while it confronts this emergency. Many community partners have offered their assistance to perform various needed functions. The city is heavily reliant on the assistance that government agencies and nonprofit organizations have provided.

The Mott Foundation

The Mott Foundation has provided financial assistance, especially in their generous contribution of $4 million. In addition, the Mott Foundation has recently pledged an additional

United Way

The Genesee County United Way has provided significant financial assistance in the way of purchasing and helping to distribute water filters since the public health emergency began on October 1st, 2015.

Genesee County Community Action Resources Department (GCCARD)

GCCARD is organized to fight poverty and has been a primary partner in the distribution of water filters. It has also regularly supported the city with the logistics and availability of water filters at City Hall.

Genesee County Health Department

Has provided educational information to Flint Water customers

Genesee County Board of Commissioners

The Board of Commissioners have pledged their support to help Flint seek solutions to this crisis. The Board has already assisted in making health and nutrition information available to the public.

Assistance from Wayne State University

Wayne State University's Center for Urban Studies will be providing technical GIS support to assist in the documentation of emergency relief efforts.

The US Environmental Protection Agency

Region 5 EPA has offered assistance with Public Information distribution during the emergency.

Outside Help is still needed…

The City of Flint is forever thankful to our community partners who have given so much to help so many people. However the magnitude of this emergency calls for more resources that are beyond the capacity of the combined local organizations and government agencies. Long term solutions will require a heavy investment in health care and capital improvement projects to upgrade the city's antiquated water distribution system.

- Help with Immediate Relief in terms of assuring allocative efficiency. Distribution should be equitable- assistance from other governments required to assure this.
- Reaching communities for the distribution of water filters, water, and educational materials.
- Help with Water Testing to increase participation and lead education.
- Increasing the rate of water testing
- Assistance is required to fund essential capital improvement projects to guarantee clean and safe water.

From: Kelenske, Chris (MSP)
Sent: Wednesday, December 30, 2015 12:23 PM
To: Baird, Richard (GOV); Etue, Kriste (MSP); Hollins, Harvey (GOV)
Cc: Gorski, Gary (MSP)
Subject: FEMA Respons to Rep Kildee - Sept 2015
Attachments: 09-22-15 Kildee Requesting Temporary Assistance for Lead in Flint Water.pdf; Rep Kildee Response 9-28-15.pdf

I mentioned on the call the only thing in writing FEMA has provided is the attached letter from our FEMA Region V Administrator. Both the request from Rep Kildee and the response from FEMA is attached.

Chris

Capt. Chris A. Kelenske
Deputy State Director/Commander
Emergency Management and Homeland Security Division
Michigan State Police
4000 Collins Road
Lansing, MI 48910
(517) 333-5042

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY."

DANIEL T. KILDEE
5TH DISTRICT, MICHIGAN

COMMITTEE ON
FINANCIAL SERVICES

SUBCOMMITTEE ON
HOUSING AND INSURANCE

SUBCOMMITTEE ON
MONETARY POLICY AND TRADE

SENIOR WHIP

DEMOCRATIC POLICY AND
COMMUNICATIONS COMMITTEE

Congress of the United States
House of Representatives
Washington, DC 20515

WASHINGTON OFFICE

227 CANNON HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-3611
(202) 225-6393 (FAX)

DISTRICT OFFICE

111 EAST COURT STREET #3B
FLINT, MI 48502
(810) 238-8627
(810) 238-8658 (FAX)

WWW.DANKILDEE.HOUSE.GOV
/REPDANKILDEE
@REPDANKILDEE

September 22, 2015

Secretary Sylvia Matthews Burwell
U.S. Department of Health & Human Services
HHS Office of the Secretary
200 Independence Avenue, S.W.
Washington, DC 20201

Administrator William Craig Fugate
Federal Emergency Management Agency
500 C Street, S.W.
Washington, DC 20472

Administrator Gina McCarthy
Environmental Protection Agency
Office of the Administrator 1101A
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Director Tom Frieden
Centers for Disease Control and Prevention
1600 Clifton Road
Atlanta, GA 30329

Secretary Burwell, Administrator McCarthy, Administrator Fugate and Director Frieden:

Recent developments regarding the level of lead in the water in one of the communities I represent, Flint, Mich., have raised significant concerns about the safety of its drinking water. For this reason, I am requesting immediate resources to provide safe drinking water to the residents of Flint until additional testing can be completed that confirms the water is safe, particularly for young children.

Although the city of Flint and the Michigan Department of Environmental Quality have conducted tests and taken the position that the lead level in the water is safe and below the action level, there are significant questions about the efficacy of their testing. In fact, Dr. Marc Edwards of Virginia Tech University, an established drinking water expert, conducted his own tests as part of a study that determined the water in Flint was above the lead action level.

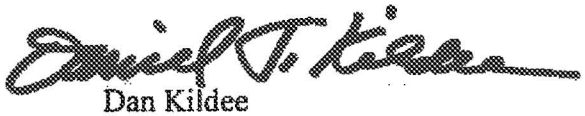
Additionally, yesterday the Greater Flint Health Coalition, a group of health professionals in the community, released a report showing elevated blood lead levels in residents in Flint, particularly in young children. In response, the Coalition has requested that the Genesee County Health Department release a health advisory indicating that the water in Flint is unsafe to drink.

Thus, I am requesting resources from your agency to provide clean drinking water to the residents of Flint until additional testing can determine when the water will be safe to drink and a long-term solution can be implemented.

This is a serious health issue, particularly for young children, and until the water is demonstrated to be safe, immediate action must be taken to ensure Flint's residents have potable drinking water.

I look forward to working with you and thank you for your immediate attention.

Sincerely,



Dan Kildee
MEMBER OF CONGRESS

U.S. Department of Homeland Security
Region V
536 South Clark Street, Floor 6
Chicago, IL 60605

FEMA

September 28, 2015

The Honorable Dan Kildee
United States House of Representatives
227 Cannon House Office Building
Washington, D.C. 20515

Dear Representative Kildee:

This is in response to your letter of September 22, 2015, to Federal Emergency Management Agency (FEMA) Administrator Craig Fugate, as well as the U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and the Environmental Protection Agency. You requested federal assistance to provide safe drinking water to residents of the City of Flint, Michigan, until additional testing confirms that the water is safe. Administrator Fugate requested that I respond to you because Michigan is within FEMA Region V.

As you may be aware, the Robert T. Stafford Disaster Relief and Emergency Assistance Act, Public Law 93-288, as amended, authorizes FEMA to provide federal assistance to a state after the governor requests that the president issue a disaster declaration and the president approves the request because it has been determined that the severity and magnitude of the incident exceeds local, tribal and state capabilities. If providing safe water to its residents is beyond the city's capability, the city, through Genesee County Emergency Management, should contact the Michigan State Police Division of Emergency Management and Homeland Security. However, in this situation, it may be more expedient and practical to pursue water sources from other local or private sector entities.

If you have questions or would like additional information, please contact me or have a member of your staff contact my Congressional Affairs Specialist, Dan Shulman, at (312) 408-4427.

Sincerely,

Andrew Velasquez III
Regional Administrator

cc: Capt. Chris Kelenske
Deputy State Director
Emergency Management and Homeland Security Division
Michigan State Police

JOIN THE MSP

From: Workman, Wayne (TREASURY)
Sent: Saturday, January 02, 2016 2:49 PM
To: Hollins, Harvey (GOV)
Subject: Re: Recommendations for the Revision of City of Flint EM Orders 3 and 20

I think #20 is the one. We will be meeting on Monday on this.

Sent from my iPhone

On Jan 2, 2016, at 2:46 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:

> Wayne,
> Per our conversation, I took the liberty of editing Orders 3 and 20. Please note the attached documents are still in tracking mode so you can see the edits. We would like to proceed fairly quick on revising these orders. The Governor meets with the Mayor on the 7th, and I would like to inform him about the progress of these revisions. When we last spoke, you also mentioned Order #10; however, that order deals only with city council meetings. If there are other things you need to amend in order to make this happen, I trust that you will do so. I am asking Stacie to schedule a call with you on Monday.
>
> Thank you very much in advance. Have a great weekend.
>
> Best,
> Harvey
>
> <EM Order #3 City of Flint.docx>
>
> <EM Order #20 City of Flint.docx>

From: Hollins, Harvey (GOV)
Sent: Saturday, January 02, 2016 2:59 PM
To: Workman, Wayne (TREASURY)
Subject: RE: Recommendations for the Revision of City of Flint EM Orders 3 and 20

Thanks.

From: Workman, Wayne (TREASURY)
Sent: Saturday, January 02, 2016 2:49 PM
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> Harvey
>
> <EM Order #3 City of Flint.docx>
>
> <EM Order #20 City of Flint.docx>

From: Workman, Wayne (TREASURY)
Sent: Saturday, January 02, 2016 3:14 PM
To: Hollins, Harvey (GOV)
Subject: Re: Recommendations for the Revision of City of Flint EM Orders 3 and 20

I can't see any changes on my IPad but I assume they will show up on my computer on Monday.

Sent from my iPad

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> Harvey
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> <EM Order #3 City of Flint.docx>
>
> <EM Order #20 City of Flint.docx>

From: Workman, Wayne (TREASURY)
Sent: Sunday, January 03, 2016 9:41 AM
To: Hollins, Harvey (GOV)
Subject: Re: Recommendations for the Revision of City of Flint EM Orders 3 and 20

I don't have it. Will see changes Monday morning.

Sent from my iPad

On Jan 2, 2016, at 8:16 PM, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov> wrote:

> Ill resend. If you have Microsoft Word on your iPad you should see it in tracking mode.
>
> ---
>
> **From:** Workman, Wayne (TREASURY)
> **Sent:** Saturday, January 02, 2016 3:14 PM
> **To:** Hollins, Harvey (GOV) <hollinsh@michigan.gov>
> **Subject:** Re: Recommendations for the Revision of City of Flint EM Orders 3 and 20
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> >
> > <EM Order #20 City of Flint.docx>
>
> <EM Order #3 City of Flint.docx>
>
> <EM Order #20 City of Flint.docx>

From: Hollins, Harvey (GOV)
Sent: Sunday, January 03, 2016 5:27 PM
To: [redacted]
Subject: Per Our Conversation
Attachments: DRAFT Coord Com Org Chart 233264.pptx; FWIACC document v2.docx

Mayor Weaver:

Per our conversation, Governor Snyder and several members of his team are committed to acting now, with the State, City and County in partnership, and not wait on any federal action or determination on an emergency declaration. If a federal emergency declaration is issued, this will be part of the combined response effort and will help marshal more resources towards resolving the issues facing Flint. Right now though, the Governor wishes to immediately implement an action plan with State and Local entities and bring together agencies and stakeholders.

Our working draft title is the Flint Water Inter-Agency Coordinating Committee (FWIACC), and it would immediately address ways to restore safe water and monitor/mitigate the effects of the lead.

In addition to Governor Snyder, the key officials working on this blueprint were MSP Capt. Chris Kelenske, DHHS Chief Deputy Tim Becker, DHHS Director Nick Lyon, the Governor's Transformation Advisor Rich Baird and myself. The need for engaged central coordination has also been recommended by the Governor's Flint Water After-Action Task Force, of which Dr. Larry Reynolds is a member. Governor Snyder has endorsed this approach and has asked me to provide you with a draft copy in advance of your meeting with him on January 7. If you agree, we will organize this committee immediately, and the Governor will issue an executive order authorizing FWIACC to work on the issue for the long term .

As you know, there is a significant amount of work to be done before the Federal government will approve an emergency declaration under the Stafford Act. FWIACC could begin its work immediately and would be in place to complement, not replace any action group ultimately formed by an emergency declaration. And we believe it would demonstrate how to best leverage essential support addressing manmade emergencies like this, since existing laws are more oriented toward natural disasters.

We brainstormed who should be included in this initial emergency response, with the idea that you and other stakeholders may have recommendations on others who need to be added.

Attached are two draft documents that defines the FWIACC. You will note the organization chart and the proposal description is not a normal hierarchical entity. This is a collaborative, stakeholder-driven partnership. Chris and I would facilitate it, but it is a partnership of city, county and state viewpoints, and would include outside experts like Marc Edwards and Dr. Mona Hanna-Attisha.

All parties will be required to be transparent about their ideas and findings, agreeing to accountability measures and reporting on them on a regular basis.

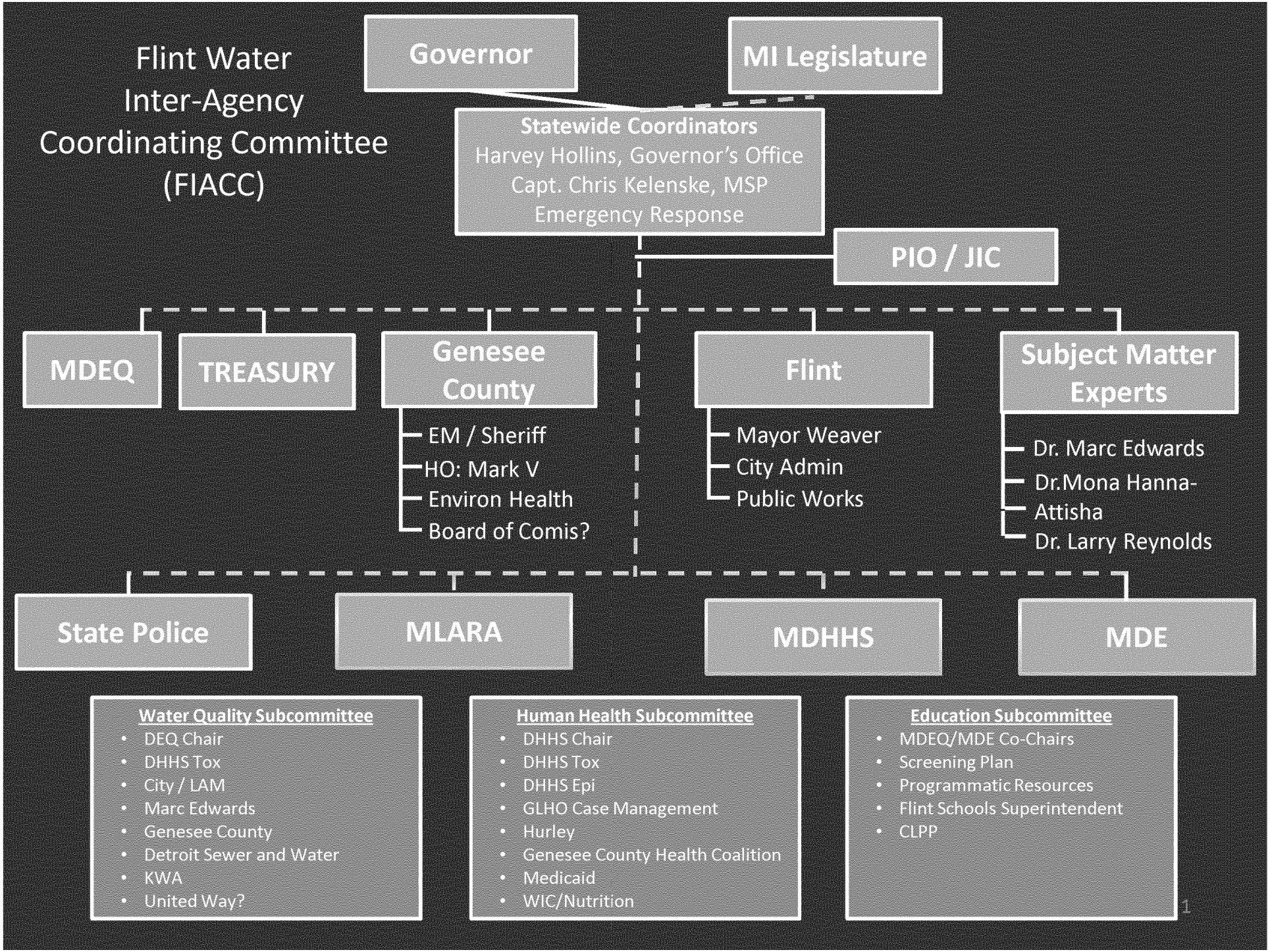
Please let me know your thoughts on this approach and also other agenda items you wish to see on January 7. If you agree, we would also invite the interim DEQ director, Keith Creagh, and the newly appointed spokesperson to meet you then.

Best,

Harvey Hollins, Director
Office of Urban Initiatives

State of Michigan
Governor Rick Snyder
Executive Office
☎:: (313) 456-4994 (Office)
✉:: 3044 W. Grand Blvd | Suite 14-650 | Detroit, MI 48202

Flint Water Inter-Agency Coordinating Committee (FIACC)



DRAFT: A Proposal to Create the Flint Water Inter-Agency Coordinating Committee (FWIACC)

Statement of Need

To better coordinate resources and personnel and react with urgency, Harvey Hollins and MSP Capt. Chris Kelenske have been tasked with creating FWIACC, subject to the approval and endorsement by Flint Mayor Karen Weaver.

We are also recommending, by executive order, that Gov. Rick Snyder authorizes this committee to help restore safe water in Flint and coordinate efforts addressing health/behavioral consequences from lead ingestion.

This inter-agency group will fully engage with all stakeholders committed to solving Flint water issues. Equal partners. Equal leadership. Equal responsibility. Equal chance to be part of the solution to an important and not fully understood problem.

FWIACC will be facilitated by Hollins and Kelenske, who represent statewide resources and constituencies, with support from senior members of the Governor's office.

An overview of FWIACC's goals:

- Create a routine information process between all parties.
- Pursue other avenues of funding, including federal grants and legislative appropriations.
- Implement without delay any appropriate mechanisms that are called for in the Emergency Management Act or the Stafford Disaster Relief and Emergency Assistance Act. These may include local emergency operations plans and guides.

Action Plan

Immediately, FWIACC will:

1. Establish an interagency workgroup described in the attached organizational chart. It will be comprised of DHHS, MDEQ, MSP, Treasury, Genesee County, City of Flint, MDE, LARA and external subject matter experts (SMEs). Other entities may be added as needed. Personnel must be goal-oriented, transparent with findings, and able to accomplish FWIACC Incident Action Plan items created by the state in a timely manner. The FWIACC plan would be created with city, county, state and federal needs in mind.

2. Assemble staff with competencies in disaster/emergency planning, operations and finance as outlined under the National Incident Management System (NIMS). Staff will be accountable to the FWIACC leadership to track resource requests and document progress on the FWIACC incident action plan.

3. Utilize the National Incident Management System and Unified/Incident Command as appropriate.

4. Establish routine communications protocols at the operational, executive and legislative levels as determined appropriate.

5. Establish interagency workgroup objectives using the following as a starting point.

Interagency Workgroup Objectives

1. Determine and convey acceptable standards for potable water.
    - Identify needed remediation.
    - Convey the remediation plan objectives to all stakeholders and interested parties.
    - Create logistics for distributing water and filters, particularly to homebound citizens.
    - Implement the plan.
2. Determine health impacts for the impacted population.
    - Identify treatment methods, nutrition education and protocols for monitoring, neurodevelopmental screening, access to DBP specialists and psychologists/psychiatrists, expanded county services, etc.
    - Convey the treatment plan objectives to interested parties.
    - Implement the plan.
3. Establish a public information protocol to effectively inform the community.
    - Identify existing public information outlets within the city, county and state, including schools, churches and other formal and informal distribution networks.
    - Establish a Joint Information Center.
    - Provide for emergency alerts and updates.
    - Determine the process for approving official information before it's disseminated.
    - Convey to interested parties.
4. Assess the status of the infrastructure and determine feasible actions to upgrade the water system.
    - Determine current state of the infrastructure.
    - Develop priorities, costs and potential funding sources for infrastructure upgrades as part of a long term recovery plan.
    - Seek partners to assist (NGOs, Foundations, Business, etc.).
    - Implement the plan.

From: Hollins, Harvey (GOV)
Sent: Sunday, January 03, 2016 7:54 PM
To: Karen Weaver
Subject: RE: Per our conversation

Mayor,
I believe you are referring to the paragraph in the draft proposal that reads as follows: "To better coordinate resources and personnel and react with urgency, Harvey Hollins and MSP Capt. Chris Kelenske have been tasked with creating FWIACC, subject to the approval and endorsement by Flint Mayor Karen Weaver."

That paragraph simply asks if you believe that the creation of the FWIACC would be beneficial to the city. Actions addressing the water problems in Flint, through the FWIACC will be taken by various experts/professionals as outlined in the organizational chart.

Transparency is also a critical objective of the Governor, in saying that, we will need your advice on how to optimize that objective for the residents in the city.

Regarding a definite time for your response, why don't you take the next couple of days to really give the proposal a more thorough look over, and save your response for your meeting with the Governor.

If you have any other questions or concerns in the interim, please send them my was as this is still a work in progress.

Best,
Harvey

-----Original Message-----
From: Karen Weaver [redacted]
Sent: Sunday, January 03, 2016 7:10 PM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: Per our conversation

Harvey,

I received your correspondence, and in reviewing it, my concern is that we only have me, yourself, MSP Capt. Chris Kelenske In deciding this important decision about the water problems here in the city of Flint. I would like to have more professional input, such as the Task Force that has been put in place.

In looking at the written plan of action, it seems to be a positive step in the right direction. I also want to make sure the transparency of whatever we do is included.

How soon do you need a definite answer to the proposed plan?

Thanks

Karen
Sent from my iPhone

From: Baird, Richard (GOV)
Sent: Sunday, January 03, 2016 7:58 PM
To: Hollins, Harvey (GOV)
Subject: RE: Per our conversation

Good response. The Committee is a partnership. The Governor and Mayor endorse/validate. The Coordinators, well...coordinate.

Sent from my Verizon Wireless 4G LTE DROID
On Jan 3, 2016 7:54 PM, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov> wrote:
Mayor,
I believe you are referring to the paragraph in the draft proposal that reads as follows: "To better coordinate resources and personnel and react with urgency, Harvey Hollins and MSP Capt. Chris Kelenske have been tasked with creating FWIACC, subject to the approval and endorsement by Flint Mayor Karen Weaver."

That paragraph simply asks if you believe that the creation of the FWIACC would be beneficial to the city. Actions addressing the water problems in Flint, through the FWIACC will be taken by various experts/professionals as outlined in the organizational chart.

Transparency is also a critical objective of the Governor, in saying that, we will need your advice on how to optimize that objective for the residents in the city.

Regarding a definite time for your response, why don't you take the next couple of days to really give the proposal a more thorough look over, and save your response for your meeting with the Governor.

If you have any other questions or concerns in the interim, please send them my was as this is still a work in progress.

Best,
Harvey

-----Original Message-----
From: Karen Weaver [[redacted]]
Sent: Sunday, January 03, 2016 7:10 PM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: Per our conversation

Harvey,

I received your correspondence, and in reviewing it, my concern is that we only have me, yourself, MSP Capt. Chris Kelenske In deciding this important decision about the water problems here in the city of Flint. I would like to have more professional input, such as the Task Force that has been put in place.

In looking at the written plan of action, it seems to be a positive step in the right direction. I also want to make sure the transparency of whatever we do is included.

How soon do you need a definite answer to the proposed plan?

Thanks

Karen
Sent from my iPhone

From: Ken Sikkema <ksikkema@pscinc.com>
Sent: Sunday, January 03, 2016 8:15 PM
To: Baird, Richard (GOV)
Cc: Chris Kolb; Hollins, Harvey (GOV)
Subject: Re: DRAFT DOCUMENTS: For Mayor Weaver

Rich:

This looks very good to me at first reading...a couple of thoughts:

(1) Key is convincing Mayor Weaver that this approach should be supported & embraced regardless of the fate of any federal declaration--I.e., this is the "bird in the hand" that is focused on the real on-going health needs, versus the federal "bird in the bush" that is not properly focused on long-term needs.

(2) EO is critical to the success of this....it establishes structure that is inclusive at the same time it can insure accountability--benchmarks & metrics need to be included. The EO can create a structure that has the potential to be more relevant, effective, and long-term than federal "declaration."

I like it.

Ken

On Sunday, January 3, 2016, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:
Ken/Chris:

We have been working on this since over the holiday break. Governor Snyder asked Harvey Hollins to send the proposal draft and draft Coordinating Committee chart to Mayor Weaver a little while ago.

We intend to stand the Committee up immediately, adjust pursuant to the Mayor's meeting with the Governor next week, and use the Executive Order capabilities of the Governor to make this group a structural long term body addressing the needs of Flint.

Call me if you have any questions. Hope you had a good holiday period.

Thanks,

Rich

Sent from my iPad

From: "Holland, Meegan (GOV)" <HollandM2@michigan.gov<mailto:HollandM2@michigan.gov>>
Date: January 3, 2016 at 3:23:12 PM EST
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>
Subject: DRAFT DOCUMENTS: For Mayor Weaver

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: Baird, Richard (GOV)
Sent: Sunday, January 03, 2016 8:45 PM
To: Ken Sikkema
Cc: Hollins, Harvey (GOV); Chris Kolb
Subject: Re: DRAFT DOCUMENTS: For Mayor Weaver

Thanks Ken. Agree on both points. We all agree the key here is to mobilize swiftly and without pause. State needs to do just that regardless of the (potentially limiting) compliance aspects of the US or any other public sector level for that matter.

Thanks for your and Chris' leadership and for the perseverance of the TF.

Rich

Sent from my Verizon Wireless 4G LTE DROID
On Jan 3, 2016 8:15 PM, Ken Sikkema <ksikkema@pscinc.com> wrote:
Rich:

This looks very good to me at first reading...a couple of thoughts:

(1) Key is convincing Mayor Weaver that this approach should be supported & embraced regardless of the fate of any federal declaration--I.e., this is the "bird in the hand" that is focused on the real on-going health needs, versus the federal "bird in the bush" that is not properly focused on long-term needs.

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I like it.

Ken

On Sunday, January 3, 2016, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:
Ken/Chris:

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We intend to stand the Committee up immediately, adjust pursuant to the Mayor's meeting with the Governor next week, and use the Executive Order capabilities of the Governor to make this group a structural long term body addressing the needs of Flint.

Call me if you have any questions. Hope you had a good holiday period.

Thanks,

Rich

Sent from my iPad

From: "Holland, Meegan (GOV)" <HollandM2@michigan.gov<mailto:HollandM2@michigan.gov>>
Date: January 3, 2016 at 3:23:12 PM EST
To: "Hollins, Harvey (GOV)" <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>>
Subject: DRAFT DOCUMENTS: For Mayor Weaver

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

--

Ken Sikkema
Senior Policy Fellow
Public Sector Consultants
PH: 517-484-4954
ksikkema@pscinc.com

From: Leix, Ron (MSP)
Sent: Monday, January 04, 2016 7:30 PM
To: Hollins, Harvey (GOV)
Subject: Re: Statement: Request for emergency declaration

Hi Harvey,

I believe so.

Meegan?

Thanks,

Ron

Sent from my iPhone

On Jan 4, 2016, at 7:10 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:

> ???
>
> Best,
> Harvey
>
> On Jan 4, 2016, at 6:05 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:
>
> > Has this gone out?
> >
> > Best,
> > Harvey
> >
> > On Jan 4, 2016, at 3:27 PM, Holland, Meegan (GOV) <HollandM2@michigan.gov> wrote:
> >
> > > Here's our statement:
> > >
> > > The health and welfare of Flint residents is a top priority, and we're committed to working closely with Mayor Weaver and the Genesee County Commission on a coordinated response to health and infrastructure issues.
> > >
> > > After the County Commission's vote today, the Michigan State Police's Emergency Management and Homeland Security Division is working with the Genesee County Emergency Management Coordinator to gather information about the resources needed for a Governor's declaration.
> > >
> > > The state police has been closely engaged in the situation since the beginning, meeting with both county and city leaders to guide them

through state and federal laws regarding the emergency management process. Due to the uniqueness of this situation, we have to look at all possible options to help Flint residents.

But prior to a formal declaration, we are recognizing this as an emergency and are working with city and county leaders to coordinate efforts, streamline communication and tap all available resources at the state's control.

Meegan Holland
Director of Communications for Gov. Rick Snyder
Office: 517-335-6397
Mobile: [redacted]
Twitter: @meholland

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 22, 2015 8:10 AM
To: Clayton, Stacie (GOV)
Subject: Re: Guests for Wed at 1:30pm

Stacie,
The three women are part of the Flint Water Coalition. They are ok.

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994 (office)
[redacted](Cell)

On Jul 21, 2015, at 8:04 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Wendy,
>
> Here is the list of guests attending the meeting with Harvey and Dennis on Wednesday in the Governor's Cabinet Room at 1:30pm:
>
> Rev. Alfred Harris
> Rev. Wallace Hill
> Rev. Allen Overton
> Bishop Bernadel Jefferson
> Laura Sullivan
> Melissa May
> Claire McClinton
>
> ***Stacie***

From: Hollins, Harvey (GOV)
Sent: Wednesday, July 22, 2015 12:17 PM
To: Mark Murray
Subject: Water Filter

Mark,
Per our last conversation, I expressed that we were interested acquiring and distributing 1500 water filters to Flint residents to assist with the quality (perceived or real) of their drinking water until the KWA pipeline comes online.

A few weeks ago, you asked me to send you the product ID number so you could check with your suppliers regarding price. I apologize for taking long to send you product ID; a number of conversations needed to occur in Flint before we could proceed.

The product ID for a Brita Filter for kitchen faucets is:
Product ID 3176421
UPC 7-23987-0078

Thank you for taking the time to look into this.

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994 (office)
[redacted](Cell)

From: Hollins, Harvey (GOV)
Sent: Thursday, July 23, 2015 12:20 PM
To: Murray, Mark
Subject: RE: Water Filter

Thank you.

-----Original Message-----
From: Murray, Mark [redacted]
Sent: Thursday, July 23, 2015 10:57 AM
To: Hollins, Harvey (GOV)
Cc: Steele, Cindee
Subject: RE: Water Filter

Will get back soon.

-----Original Message-----
From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
Sent: Wednesday, July 22, 2015 12:17 PM
To: Murray, Mark
Subject: Water Filter

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Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)
[redacted](Cell)

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in this message should be construed as a digital or electronic signature or writing.

From: Hollins, Harvey (GOV)
Sent: Thursday, July 23, 2015 12:25 PM
To: Murray, Mark
Subject: RE: Water Filter

The city. It may be through one of the churches there, and we can get a specific address, but definitely in Flint.

-----Original Message-----
From: Murray, Mark [redacted]
Sent: Thursday, July 23, 2015 12:22 PM
To: Hollins, Harvey (GOV)
Subject: RE: Water Filter

If we can work this out, where would you want them delivered? Who would receive? State? City?

-----Original Message-----
From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
Sent: Thursday, July 23, 2015 12:20 PM
To: Murray, Mark
Subject: RE: Water Filter

Thank you.

-----Original Message-----
From: Murray, Mark [redacted]
Sent: Thursday, July 23, 2015 10:57 AM
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Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994<tel:313.456.4994> (office)
[redacted](Cell)

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From: Hollins, Harvey (GOV)
Sent: Thursday, September 03, 2015 1:32 PM
To: Wurfel, Brad (DEQ)
Subject: Fwd: PRESS RELEASE: MDEQ Testing of City of Flint Water Shows TTHM Levels are Well Below the Required Action Level, City No Longer in Violation
Attachments: Water Quality Update 9.2015.pdf; ATT00001.htm

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994 (office)
[redacted] (Cell)

Begin forwarded message:

From: Jason Lorenz <jlorenz@cityofflint.com>
Date: September 3, 2015 at 11:27:06 AM EDT
To: undisclosed-recipients:;
Subject: PRESS RELEASE: MDEQ Testing of City of Flint Water Shows TTHM Levels are Well Below the Required Action Level, City No Longer in Violation

For Immediate Release

MDEQ Testing of City of Flint Water Shows TTHM Levels are Well Below the Required Action Level, City No Longer in Violation

Flint, Michigan – September 3, 2015 – The City of Flint has made significant improvements to its water treatment process and distribution system. Annual average results show all locations are within acceptable limits for total trihalomethanes (TTHM) and work continues to ensure that the average stays below the acceptable level. Flint's TTHM levels have now been below the actionable level for four consecutive quarters, long enough to bring the City out of violation with the Safe Water Drinking Act.

Installation of the Granulated Activated Carbon filter mediums in July has had a significant impact on the reduction of total organic carbon (TOC) and is expected to continue to do so. TOC contact with chlorine can lead to the creation of the chemical byproduct trihalomethanes. By reducing the amount of TOC in the treated water, the amount of TTHM in the water fell as a direct result.

"The City of Flint is continuing to improve its water system including both the areas of treatment and distribution," said Mayor Dayne Walling. "As the issue of trihalomethanes comes under control and the City is no longer in violation of safety standards, it will work with the MDEQ on implementing water optimization measures to reduce the corrosive effects of water on older pipes and home service lines." Older pipes and service lines can contain lead solder which can leach into the water over time.

Flint has been looking at the water optimization option for some time and is now looking at taking accelerated steps toward implementation. According to the MDEQ, a typical water optimization plan can take up to five years to complete, as in the case of the Detroit Water and Sewerage Department. The City of Flint plans to have its water optimization measures in place by the beginning of 2016. This measure, combined with the ongoing improvements to the distribution system wherever possible, will improve water quality and extend the performance of the City's aging infrastructure.

"The City of Flint has been in constant communication with the MDEQ in our continuing efforts to upgrade and improve our water system," said Director of Public Works Howard Croft. "We have received assurances from them that every step we have taken has been in line with their recommended actions. The City will continue to work to ensure safe, quality water to its residents, businesses and visitors."

The City of Flint will continue to provide updates on its water progress through its website, cityofflint.com. Anyone with water issues is encouraged to call 810-766-7202 so that they can be addressed. Residents wishing to receive a free and independent in-home water test can call 810-787-6537 or email flintwater@cityofflint.com.

–END–

-Jason Lorenz

Public Information Officer
City of Flint
(810) 237-2039 (Office)
[redacted](Cell)
jlorenz@cityofflint.com

Dayne Walling
Mayor

Natasha L. Henderson
City Administrator

Jason Lorenz
Public Information Officer
(810) 237-2039
jlorenz@cityofflint.com

For Immediate Release

MDEQ Testing of City of Flint Water Shows TTHM Levels are Well Below the Required Action Level, City No Longer in Violation

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"The City of Flint is continuing to improve its water system including both the areas of treatment and distribution," said Mayor Dayne Walling. "As the issue of trihalomethanes comes under control and the City is no longer in violation of safety standards, it will work with the MDEQ on implementing water optimization measures to reduce the corrosive effects of water on older pipes and home service lines." Older pipes and service lines can contain lead solder which can leach into the water over time.

–CONTINUE–

Dayne Walling
Mayor

Natasha L. Henderson
City Administrator

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The City of Flint will continue to provide updates on its water progress through its website, cityofflint.com. Anyone with water issues is encouraged to call 810-766-7202 so that they can be addressed. Residents wishing to receive a free and independent in-home water test can call 810-787-6537 or email flintwater@cityofflint.com.

–END–

From: Hollins, Harvey (GOV)
Sent: Tuesday, September 15, 2015 4:03 PM
To: Murray, David (GOV)
Subject: Re: Your Flint questions
Attachments: image001.jpg

Excellent...thanks.

Best,
Harvey

On Sep 15, 2015, at 12:03 PM, Murray, David (GOV) <MurrayD1@michigan.gov> wrote:

> Hi Ron,
>
> Thank you for the time to reach out to a couple people in the state offices.
>
> The state has worked with Flint for a number of years to help the city address its dire financial struggles. And while there are still some challenges ahead, Mayor Walling and the City Council assumed control at the end of April, and we continue to work with them.
>
> Flint, like other Michigan cities, has challenges with its infrastructure. Gov. Snyder, with our partners in the Legislature, continues to work toward a long-term, sustainable solution to the state's infrastructure needs.
>
> The state has been working closely with Flint leaders for months on some specific challenges, including restructuring of loans to postpone payments of about $2.2 million – freeing up money to help the city address some longstanding problems -- and $2 million in grants for improvement projects. We continue to work with the city's leaders on their struggles.
>
> Dave

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted]mobile
Twitter:@michigandmurray

From: Hollins, Harvey (GOV)
Sent: Friday, September 18, 2015 8:25 AM
To: Clayton, Stacie (GOV)
Subject: Tentative: Flint Water Conf Call

From: Hollins, Harvey (GOV)
Sent: Thursday, September 24, 2015 11:32 AM
To: Clayton, Stacie (GOV)
Subject: Re: New ACLU video gets tough with Flint officials over lead levels | Blogs | Detroit Metro Times

Wow

Best,
Harvey

> On Sep 24, 2015, at 11:03 AM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
>
> http://m.metrotimes.com/Blogs/archives/2015/09/23/new-aclu-video-gets-tough-with-flint-officials-over-lead-levels
>
>
> Stacie Clayton
> Sent from my iPhone

From: Hollins, Harvey (GOV)
Sent: Thursday, September 24, 2015 11:36 AM
To: Wurfel, Sara (GOV)
Cc: Clayton, Stacie (GOV); Murray, David (GOV); Muchmore, Dennis (GOV)
Subject: Re: New ACLU video gets tough with Flint officials over lead levels | Blogs | Detroit Metro Times

Sarah--per our discussion yesterday, what is the status of announcing the DEQ action to address the water quality in Flint?

-HH

> On Sep 24, 2015, at 11:03 AM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:
>
>
> http://m.metrotimes.com/Blogs/archives/2015/09/23/new-aclu-video-gets-tough-with-flint-officials-over-lead-levels
>
>
> Stacie Clayton
> Sent from my iPhone

From: Hollins, Harvey (GOV)
Sent: Tuesday, September 29, 2015 9:02 AM
To: 'Clayton, Stacie (GOV)'
Subject: Calls

FLINT:

- Priority 1: Conference Call with:
  - Amy Hovey (Congressman Kildee): [redacted]
  - Andy Levit (Sen. Ananich): Sean will help with scheduling Andy[redacted]
  - Rep Sheldon Neely: [redacted]
  - Rep. Phil Phelps: [redacted]
- Priority 1: Schedule debrief call on Public Safety with Etue
- ASAP: Call with Flint Community Foundation re Health Endowment proposal (Ask Brian Larkin who should I talk with there, I spoke with him yesterday and asked him to recon that conversation)
- ASAP: Schedule a meeting/call with Sheldon Neeley and Dennis (I don't have to be there physically unless it's Thursday)
- ASAP: Schedule meeting with Dennis, me and Pastor Overton who will bring three other ministers. In Lansing on Thursday
- Wednesday: Call Etue re the flight itinerary to Benton Harbor on Thursday
- By Thursday: Contact Execs at Ice Mountain and Absopure regarding Water Filters (Call Wendy for contact info)

From: Hollins, Harvey (GOV)
Sent: Tuesday, September 29, 2015 9:03 AM
To: 'Clayton, Stacie (GOV)'
Subject: RE: Calls

The priority 1 calls need to occur today.

From: Hollins, Harvey (GOV)
Sent: Tuesday, September 29, 2015 9:02 AM
To: 'Clayton, Stacie (GOV)' <claytons3@michigan.gov>
Subject: Calls

FLINT:

- Priority 1: Conference Call with:
  - Amy Hovey (Congressman Kildee): [redacted]
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- By Thursday: Contact Execs at Ice Mountain and Absopure regarding Water Filters (Call Wendy for contact info)

From: Hollins, Harvey (GOV)
Sent: Tuesday, September 29, 2015 9:04 AM
To: 'Clayton, Stacie (GOV)'
Subject: RE: Calls

Oopps the priority 1 call is a debrief call with Dennis, me and Etue

---

From: Hollins, Harvey (GOV)
Sent: Tuesday, September 29, 2015 9:02 AM
To: 'Clayton, Stacie (GOV)' <claytons3@michigan.gov>
Subject: Calls

FLINT:

- Priority 1: Conference Call with:
  - Amy Hovey (Congressman Kildee): [redacted]
  - Andy Levit (Sen. Ananich): Sean will help with scheduling Andy [redacted]
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From: Hollins, Harvey (GOV)
Sent: Tuesday, September 29, 2015 9:43 AM
To: Murray, David (GOV)
Subject: FW: Proposed Press Conference on Flint Drinking Water

David,
Could you think about what we need to say on behalf of the Governor at this press conference? I am interested in your thoughts.
Harvey

From: Muchmore, Dennis (GOV)
Sent: Monday, September 28, 2015 2:27 PM
To: Wyant, Dan (DEQ) <WyantD@michigan.gov>; Lyon, Nick (DCH) <LyonN2@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Lasher, Geralyn (DCH) <lasherg@michigan.gov>; Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: RE: Proposed Press Conference on Flint Drinking Water

Thank you, you're always ahead of us. I don't have any reservations about the PC, although as I mentioned I don't see any reason to have Mr. Sienko, as we have a top notch professional in Eden Wells and certainly Tim and Geralyn if need be.

From: Wyant, Dan (DEQ)
Sent: Monday, September 28, 2015 7:18 AM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>; Lyon, Nick (DCH) <LyonN2@michigan.gov>; Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Cc: Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Wurfel, Sara (GOV) <Wurfels@michigan.gov>; Lasher, Geralyn (DCH) <lasherg@michigan.gov>; Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: Proposed Press Conference on Flint Drinking Water

Per the ongoing issues in Flint concerning their drinking water, I would offer the following recommendations. Let's discuss.

Recommendation

Press Conference in Flint – Wednesday, Thursday or Friday.

Participants

Mayor of Flint
Dan Wyant – Michigan Department of Environmental Quality
Nick Lyon – Department of Community Health
Susan Hedman – Region 5 Administrator or EPA
Harvey Hollins – Governor's office
Local Public Health Department

Announcement

Federal – State – Local action plan to address Flint Drinking Water

1. Governor Snyder names Dr. Dean Sienko as Flint drinking water Public Health Advisor.
2. All Flint schools water will immediately be tested to ensure that drinking water is safe.
3. Advisories will be disseminated recommending citizens flush your cold water pipes, use only water from the cold water tap for drinking, cooking and especially for making baby formula.
4. Implementation of fully optimized corrosion controls in the Flint drinking water system.
5. Expanded water testing of at risk properties.
6. Offer water testing at no cost to Flint residents to assure water is safe.
7. Convene a safe drinking water " Technical Review Advisory" to ensure best technology, practices and science is being utilized, including EPA's expertise and assistance from their Office of Research and Development.
8. Offer bottled water and premixed formula if test results indicate high levels of lead.
9. Accelerate water system improvements to address replacement of lead service lines.

Dan Wyant, Director
Department of Environmental Quality
517-284-6700 (New Number)

From: Hollins, Harvey (GOV)
Sent: Wednesday, September 30, 2015 12:00 PM
To: Baird, Richard (GOV)
Subject: Fwd: Filter Conversation

Best,
Harvey

Begin forwarded message:

> **From:** <hollinsh@michigan.gov>
> **Date:** September 29, 2015 at 5:27:53 PM EDT
> **To:** Dennis Muchmore <muchmored@michigan.gov>
> **Subject: Filter Conversation**
>
> Today, I had a conference call with Andy Levit, Amy Hovey, Rep. Phelps and Rep. Neeley. The objective was to coordinate the acquisition and distribution of water filters for Flint residents.
>
> >>>List of Potential Donors
>
Flint Community Foundation	10,000 filter request in the Health Endowment Fund Request
Meijer	Donated 1500
HomeDepot	Rich Baird to follow up
Ice Mountain	Stacie and Andy Levit have reached out to no avail
Absopure	Stacie and Andy Levit have reached out to no avail
GM	5,000-10,000 water filters via the United Way
Dow	Considering Funding through its Foundation
Coca Cola	Bottled water
UAW Region 1	Bottled water
Cindy Estrada, UAW VP	$10,000 towards the purchase of water filters
Norman Jewel, UAW	Funding
Walmart	Funding through its Foundation
McClaren Hospital	Funding
Consumers Energy	Funding
Absopure	Donating filters
Ice Mountain	Donating filters
Similac	Baby Formula
Rite Aid & Walgreens	Possible Donors

>
> >>>DISTRIBUTION
> *County Health will track distribution in coordination with Red Cross
> *Request that the state provide a coordinator on the ground in Flint.
> >>>ANCILLARY DISCUSSION
> *Phelps said nothing on the call

*Neeley wanted to talk about the switch back to the Great Lakes Authority

*Amy asked if the Governor will declare a state of emergency in order to draw down on FEMA dollars. I indicated that we are not at the stage yet, that we should allow the experts to determine if whether an emergency exists, and in the meantime take appropriate steps to provide some relief to the residents in Flint.

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994 (office)
[redacted] (Cell)

From: Hollins, Harvey (GOV)
Sent: Wednesday, September 30, 2015 5:12 PM
To: Baird, Richard (GOV)
Subject: Re: Flint water background information

Sure, I can do that.

Best,
Harvey

On Sep 30, 2015, at 4:53 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> Would you like to call him?
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> ---------- Forwarded message ----------
> From: Aaron_S_Bonham@homedepot.com
> Date: Sep 30, 2015 4:06 PM
> Subject: RE: Flint water background information
> To: fbrown@generalatlantic.com,"Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> Cc: STACEY_TANK@homedepot.com
>
> Richard,
>
> Let me know when a good time would be to connect for us to discuss how The Home Depot can support the needs in Flint.
>
> My cell # is [redacted]
>
> Aaron Bonham
> Home Depot
> Merchandise Vice President
> Department 26 Plumbing
> 770-384-3947
> aaron_s_bonham@homedepot.com
> The contents of this e-mail include proprietary and confidential information, and are not intended to represent or form a legally binding offer or acceptance.
>
> -----Original Message-----
> From: Brown, Frank [mailto:fbrown@generalatlantic.com]
> Sent: Wednesday, September 30, 2015 3:53 PM
> To: Richard Baird; hollinsh@michigan.gov
> Cc: Bonham, Aaron S; Tank, Stacey M
> Subject: Fwd: Flint water background information
>
> Hi all. Figure I will just connect everyone and let you figure out from here. Hope this can result in some help. All the best.

Frank

Sent from my iPad

Begin forwarded message:

From: <Aaron_S_Bonham@homedepot.com<mailto:Aaron_S_Bonham@homedepot.com>>
Date: September 30, 2015 at 6:00:47 PM GMT+1
To: <fbrown@generalatlantic.com<mailto:fbrown@generalatlantic.com>>
Cc: <STACEY_TANK@homedepot.com<mailto:STACEY_TANK@homedepot.com>>
Subject: Flint water background information

Frank,

Received your email from Craig. We would be glad to help.

Can you provide any additional information on filter sizes needed in the area and quantity you might be looking for?

We are also going to look to donate bottled water if that makes sense?

Aaron Bonham
Home Depot
Merchandise Vice President
Department 26 Plumbing
770-384-3947
aaron_s_bonham@homedepot.com<mailto:aaron_s_bonham@homedepot.com>
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The information in this Internet Email is confidential and may be legally privileged. It is intended solely for the addressee. Access to this Email by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful. When addressed to our clients any opinions or advice contained in this Email are subject to the terms and conditions expressed in any applicable governing The Home Depot terms of business or client engagement letter. The Home Depot disclaims all responsibility and liability for the accuracy and content of this attachment and for any damages or losses arising from any inaccuracies, errors, viruses, e.g., worms, trojan horses, etc., or other items of a destructive nature, which may be contained in this attachment and shall not be liable for direct, indirect, consequential or special damages in connection with this e-mail message or its attachment.

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It is for the exclusive use of the addressee only. If you are not the addressee, you are hereby notified that any dissemination of this communication is strictly prohibited. If you have received this communication in error, please erase all copies of the message and its attachments and notify us immediately at help@generalatlantic.com. Thank You.

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addressee. Access to this Email by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful. When addressed to our clients any opinions or advice contained in this Email are subject to the terms and conditions expressed in any applicable governing The Home Depot terms of business or client engagement letter. The Home Depot disclaims all responsibility and liability for the accuracy and content of this attachment and for any damages or losses arising from any inaccuracies, errors, viruses, e.g., worms, trojan horses, etc., or other items of a destructive nature, which may be contained in this attachment and shall not be liable for direct, indirect, consequential or special damages in connection with this e-mail message or its attachment.

From: Hollins, Harvey (GOV)
Sent: Wednesday, September 30, 2015 5:14 PM
To: Baird, Richard (GOV)
Subject: Re: Flint water background information

I got it. Thanks.

Best,
Harvey

On Sep 30, 2015, at 4:52 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> You got this from here?
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> ---------- Forwarded message ----------
> From: "Brown, Frank" <fbrown@generalatlantic.com>
> Date: Sep 30, 2015 3:53 PM
> Subject: Fwd: Flint water background information
> To: "Baird, Richard (GOV)" <bairdr@michigan.gov>,"Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> Cc: aaron_s_bonham@homedepot.com,STACEY_TANK@homedepot.com
>
> Hi all. Figure I will just connect everyone and let you figure out from here. Hope this can result in some help. All the best.
>
> Frank
>
> Sent from my iPad
>
> Begin forwarded message:
>
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> Date: September 30, 2015 at 6:00:47 PM GMT+1
> To: <fbrown@generalatlantic.com<mailto:fbrown@generalatlantic.com>>
> Cc: <STACEY_TANK@homedepot.com<mailto:STACEY_TANK@homedepot.com>>
> Subject: Flint water background information
>
> Frank,
>
> Received your email from Craig. We would be glad to help.
>
> Can you provide any additional information on filter sizes needed in the area and quantity you might be looking for?
>
> We are also going to look to donate bottled water if that makes sense?
>
> Aaron Bonham
> Home Depot
> Merchandise Vice President
> Department 26 Plumbing
> 770-384-3947
> aaron_s_bonham@homedepot.com<mailto:aaron_s_bonham@homedepot.com>

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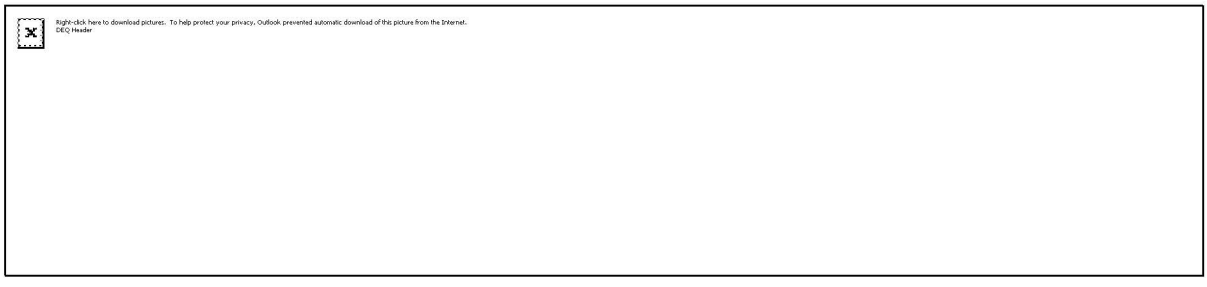
From: Hollins, Harvey (GOV)
Sent: Thursday, October 01, 2015 9:11 PM
To: Allen Overton

FYI



Oct. 1, 2015

Michigan leaders to announce action plan for Flint drinking water

Friday, Oct. 2 at 1:30 p.m.
Local, state and federal leaders will host a press conference to announce a comprehensive action plan for addressing drinking water concerns in Flint. Participants will include:
• Harvey Hollins, Director of the Office of Urban Initiatives for Gov. Rick Snyder
• Dan Wyant, Director for the Michigan Department of Environmental Quality
• Nick Lyon, Director for the Michigan Department of Health and Human Services
• Dr. Eden Wells, Chief Medical Executive for the Michigan Department of Health and Human Services
• Dayne Walling, Mayor of Flint
• Other local, state and federal officials

Location:
Kettering University, Innovation Center
1300 Bluff St.
Flint, MI 48504

This is a media event open to credentialed news media only. Media who plan to attend this event should RSVP by noon Friday. Contact Rosemarie Olszewski at 517-284-6700 or olszewskir@michigan.gov.

Questions?
Contact Us
Ph: 800-662-9278

From: Hollins, Harvey (GOV)
Sent: Thursday, October 01, 2015 9:57 PM
To: Lyon, Nick (DHHS)
Subject: Re: PRESS RELEASES: United Way, GM Foundation and City of Flint Raise Money for Water Filter Initiative

I wasn't on this part.

Best,
Harvey

On Oct 1, 2015, at 9:27 PM, Lyon, Nick (DHHS) <LyonN2@michigan.gov> wrote:

> Harvey - how much were you involved?
>
> On Oct 1, 2015, at 3:53 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:
>
> > Best,
> > Harvey
> >
> > Begin forwarded message:
> >
> > **From:** Jason Lorenz <jlorenz@cityofflint.com>
> > **Date:** October 1, 2015 at 3:22:51 PM EDT
> > **To:** undisclosed-recipients:;
> > **Subject: PRESS RELEASES: United Way, GM Foundation and City of Flint Raise Money for Water Filter Initiative**
> >
> > **SEE ATTACHED PRESS RELEASES :**
> >
> > **United Way, City of Flint Tap $105,000 to Purchase Water Filters**
> > **Donations and grant funds will purchase 5,250 water filters for Flint residents. GM Foundation Donates $50,000 to Purchase Water Filters in Flint.**
> >
> > "This is a great example of community members, leaders and partners banding together to ensure people have access to clean drinking water," said Flint Mayor Dayne Walling.
> >
> > -Jason Lorenz
> > Public Information Officer

City of Flint
(810) 237-2039 (Office)
[redacted](Cell)
jlorenz@cityofflint.com

<10.1 United Way water filter release FINAL.pdf>

<100115 GM Foundation Water Filter Donation final 2102ET 093015.pdf>

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 07, 2015 5:15 PM
To: Thelen, Mary Beth (DEQ)
Cc: Clayton, Stacie (GOV); Shaler, Karen (DEQ); Wyant, Dan (DEQ)
Subject: Re: Flint City Council KWA Vote

I just sent it to Dan...do you still need me to copy Karen?

Best,
Harvey

On Oct 7, 2015, at 5:11 PM, Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov> wrote:

> Harvey, it is my understanding that you are going to send Dan something yet soon. Please also copy Karen Shaler and me so that we can get it to the Governor's office with other items.
>
> Thank you.
>
> Mary Beth
>
> Mary Beth Thelen
> Management Assistant to Director Dan Wyant
> Department of Environmental Quality
> Constitution Hall, 6th Floor South
> Phone: 517-284-6712 or 284-6700 (new numbers)
> Fax: 517-241-7401
> Thelenm2@michigan.gov
>
> ---
>
> **From:** Clayton, Stacie (GOV)
> **Sent:** Wednesday, October 07, 2015 4:07 PM
> **To:** Thelen, Mary Beth (DEQ)
> **Cc:** Hollins, Harvey (GOV)
> **Subject:** FW: Flint City Council KWA Vote
>
> Mary Beth,
>
> Harvey is still waiting on hearing back from the city to get the original resolution but here are the mlive pieces that covered it from March 2013 until July 2013. The meeting when the vote was held was March 25, 2013. Here is what we have so far. I'll forward the actual resolution as soon as we receive it.
>
> ***Stacie***
>
> March 25th 2013 **Flint council supports buying water from Lake Huron through KWA**
> http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_again_delay.html
> The Flint City Council voted 7-1 to get 16 million gallons per day from the Karegnondi Water Authority.
>
> 7th Ward councilperson Dale Weighill was absent
> 3rd Ward councilperson Bryant Nolden opposed

The rest were in favor.

March 25th, 2013 **Flint City Council approves resolution to buy water from Karegnondi, state approval still needed**

http://www.mlive.com/news/flint/index.ssf/2013/03/flint_city_council_approves_re.html

Under the proposal, Flint would get 16 million gallons per day of raw water from Lake Huron, pipe it to Flint for treatment and then sell it to customers throughout the City. Another 2 million gallons per day would come from the Flint River and will be treated in Flint. DEQ told the city it needed to get 18 million gallons per day or there would have to be additional work done at Flint's water plant. Flint's water plant and the Flint River is currently the backup for Flint and Genesee County, however, the plant only operates four times per year.

April 12th **State gives Flint OK to join Karegnondi Water Authority project, but Detroit gets to make final offer**

http://www.mlive.com/news/flint/index.ssf/2013/04/state_gives_flint_ok_t.html

The city of Flint has the state's blessing to join in construction of the planned Karegnondi Water Authority**pipeline project** once it reviews a final offer from the city of Detroit on Monday, April 15.

April 19th **Governor steps into water war; set to meet with Genesee, Flint, Detroit today**

http://www.mlive.com/news/flint/index.ssf/2013/04/governor_steps_into_water_war.html#incart_river_default

The meeting comes in the same week that the Flint and Genesee County rejected a final offer to continue buying water from Detroit and two days after Detroit gave Flint a notice of termination of its 1965 water contract.

April 19th **Detroit gives notice: It's terminating water contract covering Flint, Genesee County in one year**

http://www.mlive.com/news/flint/index.ssf/2013/04/detroit_gives_notice_its_termi.html

The city of Detroit has given notice that it's terminating a nearly 50-year-old contract for selling water to Flint and the county next year.

July 23rd **Flint River now an option for drinking water following Detroit's termination of contract**

http://www.mlive.com/news/flint/index.ssf/2013/07/city_readying_water_plant_to_t.html

The Flint River was not a viable option to provide drinking water to city residents when the water relationship between Flint and Detroit was stable. But river water might be used temporarily as the city's water supply now that Flint signed an agreement with the Karegnondi Water Authority and will get up to 18 million gallons per day of raw water in 2016 from Lake Huron. The Flint River hadn't been an option, city officials previously said, because upgrades to Flint's water plant would be too expensive, the river didn't provide enough capacity to serve Flint residents' water needs and the Michigan Department of Environmental Quality would not allow it.

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 07, 2015 5:21 PM
To: Shaler, Karen (DEQ)
Cc: Thelen, Mary Beth (DEQ); Clayton, Stacie (GOV); Wyant, Dan (DEQ)
Subject: Re: Flint City Council KWA Vote

Ok

Best,
Harvey

On Oct 7, 2015, at 5:16 PM, Shaler, Karen (DEQ) <SHALERK@michigan.gov> wrote:

> No, I'll just get it from his mailbox. Thanks, Harvey!
>
> Karen
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, October 07, 2015 5:15 PM
> **To:** Thelen, Mary Beth (DEQ)
> **Cc:** Clayton, Stacie (GOV); Shaler, Karen (DEQ); Wyant, Dan (DEQ)
> **Subject:** Re: Flint City Council KWA Vote
>
> I just sent it to Dan...do you still need me to copy Karen?
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> > Management Assistant to Director Dan Wyant
> > Department of Environmental Quality
> > Constitution Hall, 6th Floor South
> > Phone: 517-284-6712 or 284-6700 (new numbers)
> > Fax: 517-241-7401
> > Thelenm2@michigan.gov
> >
> > ---
> >
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> > **Sent:** Wednesday, October 07, 2015 4:07 PM
> > **To:** Thelen, Mary Beth (DEQ)

Cc: Hollins, Harvey (GOV)
Subject: FW: Flint City Council KWA Vote

Mary Beth,

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Stacie

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From: Hollins, Harvey (GOV)
Sent: Thursday, October 08, 2015 4:57 PM
To: Lyon, Nick (DHHS)
Cc: Lasher, Geralyn (DHHS); Hanley, Farah (DHHS); Becker, Timothy (DHHS); Grijalva, Nancy (DHHS); Roberts, John (DTMB); Wyant, Dan (DEQ); Duncan, Nancy (DTMB); Harkins, Chris (DTMB); Pallone, Maggie (DEQ); Hertel, Elizabeth (DHHS); Ruest, Karla (DHHS)
Subject: Re: Update from Nick's calls

Thanks for the FYI Nick. Santana is looking for about 400 filters to get to Hispanic families from a distribution spot taking address information only for tracking purposes without having to disclose names. The solution for that population, who might be concerned about ICE, is to have them obtain the filters from alternative donors other than the state. I will follow up with Santana.

>

> On Oct 8, 2015, at 4:30 PM, Lyon, Nick (DHHS) <LyonN2@michigan.gov> wrote:
>
> Just a further follow up from this morning.
>
> Rep. Verhuelen is concerned about this being precedent setting and will we be on the hook if another major municipal water system fails. We talked quite a bit about water quality and corrosion and I hooked him up to Dan for further details.
>
> Rep. Santana thought this was the right thing to do and was quite supportive. He did state that he had heard that Hispanic people in Flint were not aware or taking advantage of the fact that they could get filters. I told him we would look at providing info in Spanish. He also urged that we work with the agencies that support Spanish speaking residents. I told him I would follow up with Harvey to see what he is doing in that regard. Harvey - This is FYI for you. I will let him know that we were working with the Hispanic Center, who picked up filters from GCCARD and will help with translation on the application.
>
> Shirkey sent me a text thanking him for the message.
>
>
>
> Nick has put in calls to our subcommittee chairs and wanted to pass along the feedback he got.
>
> All agree from the health side that the DHHS action is the right way to move forward. However they had some negative feedback on the $6 million.
>
> --Representatives MacGregor and Poleski both feel this should be a loan to the City of Flint instead of direct payment of $6 million
>
> --Senator Marleau complained about the lack of legislative input before the decision was made to switch back to Flint water from Detroit in the first place.
>
> He left messages for Verheulen, Santana, Shirkey and Hertel.

>
>
>
> Sent from my iPad

From: Hollins, Harvey (GOV)
Sent: Thursday, October 08, 2015 5:15 PM
To: Murray, David (GOV)
Subject: Re: Kildee's statement
Attachments: image001.jpg

Kildee should also ask for federal assistance, I thought that was one of the reasons why Flint voters sent him to DC. SMH

On Oct 8, 2015, at 2:16 PM, Murray, David (GOV) <MurrayD1@michigan.gov> wrote:

October 8, 2015

Congressman Dan Kildee (MI-05) issued the following statement today after Governor Snyder announced that the city of Flint would reconnect to the Detroit water system:

"Reconnecting to the Detroit water system is the right next step to provide Flint residents with safe drinking water. But how Flint pays for safe water until the Karegnondi Water Authority is operational is a separate question.

"Flint is a financially distressed city, and it should not have to empty out its bank account to pay for the state's failures. The decision to switch to the Flint River water source was made while the city was under state emergency management, and now it is incumbent on Governor Snyder and the state to fix – and pay – for the problem they created.

"Flint paying anything for the problem that the state created in the first place means that other improvements, including to the city's aging water infrastructure system, could be delayed. This is especially troublesome considering that the state of Michigan has consistently cut tens of millions of dollars of revenue sharing to the city of Flint in recent years.

"Flint residents are also Michigan residents, who pay state taxes and, like every other city in our state, expect clean and safe drinking water. The state of Michigan created this problem, and they need to pay for the solution to fix it."

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted], mobile
Twitter:@michigandmurray

<image001.jpg>

From: Hollins, Harvey (GOV)
Sent: Monday, October 12, 2015 8:27 AM
To: Myra Ford (UST, USA)
Subject: Re: Good Morning Harvey!

Myra,
Sorry that I did not reply earlier.

Re Flint, it is a messed up situation that we are working to resolve. Most don't understand how much control the city had/has with it's water operations irrespective of the state's fiscal management. Quite frankly, the city failed to properly treat the water from the Flint River. After we normalize the water quality, we have to understand why the city decided to treat the water the way it did...stay tuned.

Re our candidates from Michigan, I understand from Kim that a score of 70% is the cutoff. She said that both failed the first midterm, but did much better on the second. Were the scores in the spreadsheet the first or second test scores?

Thanks for sharing.

Best,
Harvey

> On Oct 9, 2015, at 8:53 AM, Myra Ford (UST, USA) <[redacted]> wrote:
>
> Hello Harvey,
>
> First, I must say what a wonderful thing that you pulled off to avert the crisis in Flint. Given, the foundations that have stepped up I know that you were instrumental in getting this resolved.....Great job!
>
> Second, please see the attached comments from Kim regarding our ladies in the Chicago training. We are being completely transparent!
>
> Have a wonderful weekend!
>
> Myra Ford Jenkins, MSA, DBA
> Michigan Sales
>
> 20 Enterprise, 4th Floor
> Aliso Viejo, CA 92656
> [redacted]
> M: [redacted]
> O: 949.371.4372
>
>
>
>
> Confidentiality and Security: This e-mail and any associated files transmitted with it are confidential and solely for the intended recipient. If you are not the named addressee, do not disseminate, distribute, copy or alter this e-mail. If you have received this information in error, please notify the sender immediately and delete this communication

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>
>
> -----Original Message-----
> From: Hollins, Harvey (GOV) [mailto:hollinsh@michigan.gov]
> Sent: Wednesday, October 07, 2015 2:47 PM
> To: Myra Ford (UST, USA)
> Subject: Re:
>
> Thanks. My grandmother always said that sometimes no news is good news, but just checking nonetheless.
>
> Best,
> Harvey Hollins III, Director
> Governor's Office of Urban Initiatives
>
> 313.456.4994<tel:313.456.4994> (office)
> [redacted](Cell)
>
> On Oct 7, 2015, at 2:40 PM, Myra Ford (UST, USA) <[redacted]>> wrote:
>
> Hello Harvey,
>
> I am not certain on what the latest is this week; Kim mentioned a test mid-week.
>
> I know BG is in Chicago this week; and they had a big meeting today. I will find out and follow up in the next 24-hours.
>
> Much Kindness
> Myra
>
> Best,
> Harvey
>
>
> On Oct 7, 2015, at 2:22 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov<mailto:hollinsh@michigan.gov>> wrote:
>
> How are the women from Michigan doing so far in the training in Chicago?
>
> Best,
> Harvey
> <Detroit Candidates progress>

From: Hollins, Harvey (GOV)
Sent: Monday, October 12, 2015 7:23 PM
To: [redacted]
Subject: Fwd: Good Morning Harvey!

Best,
Harvey

Begin forwarded message:

> **From:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>
> **Date:** October 12, 2015 at 8:27:12 AM EDT
> **To:** "Myra Ford (UST, USA)" <[redacted]>
> **Subject: Re: Good Morning Harvey!**
>
> Myra,
> Sorry that I did not reply earlier.
>
> Re Flint, it is a messed up situation that we are working to resolve. Most don't understand how much control the city had/has with it's water operations irrespective of the state's fiscal management. Quite frankly, the city failed to properly treat the water from the Flint River. After we normalize the water quality, we have to understand why the city decided to treat the water the way it did...stay tuned.
>
> Re our candidates from Michigan, I understand from Kim that a score of 70% is the cutoff. She said that both failed the first midterm, but did much better on the second. Were the scores in the spreadsheet the first or second test scores?
>
> Thanks for sharing.
>
> Best,
> Harvey
>
> On Oct 9, 2015, at 8:53 AM, Myra Ford (UST, USA) <[redacted]> wrote:
>
> > Hello Harvey,
> >
> > First, I must say what a wonderful thing that you pulled off to avert the crisis in Flint. Given, the foundations that have stepped up I know that you were instrumental in getting this resolved.....Great job!

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Have a wonderful weekend!

Myra Ford Jenkins, MSA, DBA

Michigan Sales

20 Enterprise, 4th Floor

Aliso Viejo, CA 92656

[redacted]

M: [redacted]

O: 949.371.4372

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Governor's Office of Urban Initiatives

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[redacted] (Cell)

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Best,
Harvey
<Detroit Candidates progress>

From: Hollins, Harvey (GOV)
Sent: Tuesday, October 13, 2015 3:45 PM
To: Muchmore, Dennis (GOV)
Subject: RE: What's the latest on Flint?

Not much more than what's in the news. I made a couple of
I made a couple of [redacted]

From: Hollins, Harvey (GOV)
Sent: Tuesday, October 13, 2015 3:44 PM
To: Muchmore, Dennis (GOV) <muchmored@michigan.gov>
Subject: RE: What's the latest on Flint?

Not much more than what's in the news. I made a couple of

- City Council voted to approve their $2 million to use GLWA
- People are still upset, believing that DEQ is covering up their mistake.
- Most elected officials are pointing fingers at the state.
- Bottled water delivery has slowed a tad.
- Various groups are still delivering water filters, a big filter distribution occurred over the weekend.
- Mayor Walling and his challenger Weaver are debating tonight.

From: Muchmore, Dennis (GOV)
Sent: Tuesday, October 13, 2015 8:41 AM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: What's the latest on Flint?

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 14, 2015 10:15 PM
To: Muchmore, Dennis (GOV)
Subject: Re: What's the latest on Flint?

I talk with him almost every day including Saturdays Sundays.

Best,
Harvey

On Oct 14, 2015, at 4:06 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> Have you talked with Sheldon recently?
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Tuesday, October 13, 2015 3:44 PM
> **To:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>
> **Subject:** RE: What's the latest on Flint?
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> **To:** Hollins, Harvey (GOV) <hollinsh@michigan.gov>
> **Subject:** What's the latest on Flint?

From: Hollins, Harvey (GOV)
Sent: Thursday, October 15, 2015 11:59 PM
To: Muchmore, Dennis (GOV)
Subject: Re: What's the latest on Flint?

I'll send you the list tomorrow

Best,
Harvey

On Oct 15, 2015, at 5:57 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:

> I got so I believed that the only people that were telling you and I the truth were these ministers. It was Overton, Harris and who were the other ones?
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Thursday, October 15, 2015 4:36 PM
> **To:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>
> **Subject:** Re: What's the latest on Flint?
>
> The ministers did call and said thank you to both you and me.
>
> Best,
> Harvey
>
> On Oct 15, 2015, at 10:42 AM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
>
> > I've met with both of them once, and I've talked with Ananich more than once on the phone because he called me. You've talked to him multiple times, and you're the lead. Don't know what he wants since he's getting to talk with you over and over. By the way, did our ministers call you and say "thank you Harvey, we couldn't get anyone else to listen to us and you did"?
> >
> > ---
> >
> > **From:** Hollins, Harvey (GOV)
> > **Sent:** Wednesday, October 14, 2015 10:22 PM
> > **To:** Muchmore, Dennis (GOV) <muchmored@michigan.gov>
> > **Subject:** Re: What's the latest on Flint?
> >
> > Sheldon wants to be pulled in the same way that you pulled Ananich in.
> >
> > Best,
> > Harvey
> >
> > On Oct 14, 2015, at 4:06 PM, Muchmore, Dennis (GOV) <muchmored@michigan.gov> wrote:
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- Mayor Walling and his challenger Weaver are debating tonight.

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Sent: Tuesday, October 13, 2015 8:41 AM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>
Subject: What's the latest on Flint?

From: Hollins, Harvey (GOV)
Sent: Tuesday, October 20, 2015 7:26 PM
To: Lyon, Nick (DHHS)
Subject: Testing

Nick,
I understand that you and Rep. Neeley have talk re testing all Flint children, is it possible for you or one of your staff to give me an update re the status of that effort?

Best,
Harvey

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 21, 2015 2:09 PM
To: Murray, David (GOV); Clayton, Stacie (GOV)
Subject: RE: Flint task force notifications

Calls made.

From: Murray, David (GOV)
Sent: Wednesday, October 21, 2015 1:17 PM
To: Hollins, Harvey (GOV) <hollinsh@michigan.gov>; Clayton, Stacie (GOV) <claytons3@michigan.gov>
Subject: Flint task force notifications

Hello Harvey,

Sara asked that I send this to you for notifications. Would you be able to reach out to the Mott Foundation, pastors group and Mayor Walling's Office? The plan is to issue between 2 and 2:30, with potential notifications around 2 p.m.

Thank you very much!

Dave

Gov. Rick Snyder announces Flint Water Task Force to review state, federal and municipal actions, offer recommendations

Experts in public health, water management, environmental protection to focus on steps to protect residents

LANSING, Mich. – Gov. Rick Snyder today announced the creation of an independent advisory task force charged with reviewing actions regarding water use and testing in Flint and offer recommendations for future guidelines to protect the health and safety of all state residents.

Task force members include experts in public health and medicine, water management, and environmental protection from both sides of the aisle, and will be co-chaired by Ken Sikkema of Public Sector Consultants and Chris Kolb, of the Michigan Environmental Council. Also serving will be Dr. Matthew Davis of the University of Michigan Health System, Eric Rothstein, of the Galardi Rothstein Group and Dr. Lawrence Reynolds of Mott Children's Health Center in Flint.

"Transitioning back to the Detroit Water and Sewerage Department-Great Lakes Water Authority is a good first step to protecting public health in Flint, but it's not the last step," Snyder said. "Bringing in outside experts to evaluate our actions and help monitor and advise on potential changes to law, procedures and practices will be key to continuing work on the comprehensive action plan and ensuring safe drinking water for all the residents in Flint and all of Michigan."

Snyder said the administration will fully cooperate with task force members, saying he wants an unbiased report focusing on steps taken in the past and recommendations that could improve practices to ensure all residents have access to safe, clean water.

Ken Sikkema is a senior policy fellow at Public Sector Consultants, where he specializes in public finance, environment, and energy policy. Prior to joining the firm, Sikkema served in both the Michigan House and

Senate, culminating with four years as Senate majority leader. He has also served as both an adjunct and visiting professor at Grand Valley State University.

Chris Kolb is president of the Michigan Environmental Council, a statewide coalition of 70 environmental, public health and faith-based nonprofit groups. Before joining the MEC, Kolb represented Ann Arbor in the state House for six years and served six years on the Ann Arbor City Council. He has been president of the MEC for six years.

Matthew Davis, M.D., M.A.P.P., is professor of pediatrics and internal medicine at the University of Michigan Health System and professor of public policy at the Gerald R. Ford School at the University of Michigan, having joined the faculty in 2000. Davis also is a professor of health management and policy at the School of Public Health. He previously served as the chief medical executive of the Michigan Department of Community Health/Department of Health and Human Services.

Eric Rothstein is a national water issues consultant and principal at the Galardi Rothstein Group. He served as an independent advisor on the creation of the Great Lakes Water Authority. Rothstein also has served as Jefferson County, Alabama's rate consultant and municipal adviser for litigation related to the county's bankruptcy and issuance of $1.7 billion in sewer warrants and led strategic financial planning for the City of Atlanta's Department of Watershed Management. He has more than 30 years of experience in water, wastewater and stormwater utility finance and rate-making assessments.

Lawrence Reynolds, M.D., is a pediatrician in Flint who serves as president of the Mott Children's Health Center. He received his medical degree from Howard University College of Medicine and has been in practice for 36 years. He has served as president of the Genesee County Medical Society and the Michigan Chapter of the American Academy of Pediatrics. He has been honored for his humanitarian and advocacy efforts on behalf of children from the Community Foundation of Greater Flint.

Snyder has said reconnecting with the authority is a critical step to resolving water quality issues and addressing related health concerns. It will not immediately resolve the city's problem with lead service lines or aging infrastructure. It will take time for pipes in Flint to become coated with the phosphate corrosion control.

To best protect public health, state and local authorities will continue to carry out steps outlined on Oct. 2 in a comprehensive action plan, including continued testing, the use of faucet filters and providing residents with accurate information about steps to eliminate lead exposure. The Michigan Departments of Environmental Quality and Health and Human Services are continuing to provide free water filters, free lead testing through the state laboratory for Flint water customers, and hiring additional staff to conduct health exposure monitoring for lead in drinking water.

####

Dave Murray
Deputy Press Secretary | Executive Office of Governor Rick Snyder
MurrayD1@michigan.gov
517-335-6397, office
[redacted] mobile
Twitter:@michigandmurray

From: Hollins, Harvey (GOV)
Sent: Friday, October 23, 2015 8:58 AM
To: Lyon, Nick (DHHS)
Cc: Lasher, Geralyn (DHHS)
Subject: Re: Testing

Thank you for the response. I look forward to talking with Geralyn.

> On Oct 22, 2015, at 10:38 PM, Lyon, Nick (DHHS) <LyonN2@michigan.gov> wrote:
>
> I won't be available much of tomorrow. Geralyn-if you get a chance can you update Harvey.
>
>
>> On Oct 20, 2015, at 7:26 PM, Hollins, Harvey (GOV) <hollinsh@michigan.gov> wrote:
>>
>> Nick,
>> I understand that you and Rep. Neeley have talk re testing all Flint children, is it possible for you or one of your staff to give me an update re the status of that effort?
>>
>> Best,
>> Harvey

From: Hollins, Harvey (GOV)
Sent: Friday, October 23, 2015 9:09 AM
To: [redacted]
Subject: Flint Water Decision Clarification Op-Ed_FINAL.pdf
Attachments: Flint Water Decision Clarification Op-Ed_FINAL.pdf; ATT00001.txt

Changes to Flint Water System Made By Local Leaders, Not Emergency Managers
Author: Darnell Earley, ICMA-CM, MPA

It is critically important that the record be set straight about the decision-making and approval processes that led to Flint joining the Karegnondi Water Authority (KWA) with the use of Flint River water as the interim water supply. The fact is, that the river has served and been used as the back-up supply for decades, and this was the rationale given to me by staff and Mayor Walling, who also serves as chairperson of the KWA board. Contrary to reports in the media and rhetoric being espoused by individuals, the decision was made at the local level, by local civic leaders.

The decision to separate from Detroit Water and Sewerage Department and go with the KWA, which included the decision to pump Flint River water in the interim, were both a part of a long-term plan that was approved by Flint's Mayor, and confirmed by a City Council vote of 7-1 on March 25, 2013. This plan was presented to me when I was appointed as Flint Emergency Manager in October 2013 - a full seven months after City Council's affirmative vote.

Genesee County Drain Commissioner Jeff Wright also made the affirmative vote by the City Council a necessary condition of joining the KWA, and applauded the decision in a March 26, 2013 news release, saying, "…I have said from the beginning that this decision must be made by Flint's City Council and Mayor…I am glad that the residents of Flint were able to have their voices heard via their elected officials."

The Mayor's approval of the plan, and the subsequent near unanimous vote by City Council were in no way coerced, forced or demanded by the State, nor any Emergency Manager. Council's affirmative vote was supported and officially signed into EM Executive Order by then Emergency Manager Edward Kurtz on March 29, 2013. A subsequent order Kurtz signed on June 26, 2013, speaks specifically to the, "… upgrading of the Flint Water Plant to ready it to treat water from the Flint River to serve as the primary drinking water source for approximately two years and then converting to KWA delivered lake water."

When I began my term as Emergency Manager, it fell to me to oversee the implementation of the previously accepted and approved plans, as the DWSD terminated the contract with Flint in April 2014. It did not fall to me to question, second guess or to invalidate the actions that were taken prior to my appointment.

At the time the decision was made there was no way to predict such an unfortunate outcome. I would also offer that had local leaders known then what they know now, parts of their decision may have been entirely different. What the City of Flint and the State of Michigan are now dealing with is the management of an unintended consequence resulting in a negative outcome from an otherwise sound public policy decision. There is no "blame" to affix on any Emergency Manager for that.

As the solutions are put into place to address the serious concerns at hand, I believe that everyone's attention should now turn toward another serious concern -- what is being done in the long-term to replace the aged and crumbling water distribution systems that exists throughout Flint and Genesee County, which was a major contributing factor to this serious issue in the first place.

I am a strong believer that the truth supported by fact, speaks for itself. This was a local decision that was made by local civic leaders. Anyone who says otherwise is being disingenuous for whatever reason.

Sincerely,

Darnell Earley, ICMA-CM, MPA

Best,
Harvey

To: Armstrong, Anne (GOV)[ArmstrongA2@michigan.gov]
Cc: Clayton, Stacie (GOV)[claytons3@michigan.gov]; Haan, Andrew (GOV)[HaanA2@michigan.gov]
From: Hollins, Harvey (GOV)
Sent: Wed 10/28/2015 2:44:14 PM
Importance: Normal
Subject: Re: Schools and water testing update
Received: Wed 10/28/2015 2:44:15 PM

Anne,
Your area is moving forward with schools testing water ahead of DEQ protocols. Grand Rapids is currently doing this and I'm told Muskegon will follow suit. I don't know what Holland is doing. http://michiganradio.org/post/grand-rapids-public-schools-test-drinking-water-lead

Andrew, I need you to call call Benton Harbor, Kalamazoo and Battle Creek's superintendents and ask if they are planning water testing in their schools. If so, send send an email to DEQ Director Dan Wyant and copy me, Dennis Muchmore and Jarrod Agen. If not, don't worry about the communication.

Bay City, Pontiac and Saginaw schools are moving forward. While DEQ is working on their protocols, a number of schools are moving forward with testing. I want the Governor informed about the activity.

Remember, this is simply an inquiry to testing activity in urban districts.

Best,
Harvey

On Oct 28, 2015, at 10:17 AM, Armstrong, Anne (GOV) <ArmstrongA2@michigan.gov> wrote:

> Hello All,
>
> I spoke with Madhu Anderson, Senior Policy Director for DEQ on the outreach to urban schools on water testing. I wanted to understand what DEQ's process was before we started canvassing, in case questions arose. George Krisztian, DEQ Lab Director and head of the Flint Action Response Team, suggested if possible that we hold off until they have a process and protocols in place on working with schools outside of the 13 Flint schools. They are working as quickly as possible with these 13 to establish some kind of response capability and backgrounder for all schools. They know, as we do, that this is most likely a statewide issue. Harvey, do you feel comfortable holding up on the calls to systems?
>
> Anne
>
> Anne Armstrong Cusack
>
> Associate Director
>
> Governor's Office of Urban Initiatives

350 Ottawa NE

Grand Rapids, MI 49503

Cell: [redacted]

armstronga2@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Wednesday, October 28, 2015 8:59 PM
To: Haan, Andrew (GOV)
Cc: Armstrong, Anne (GOV); Clayton, Stacie (GOV)
Subject: Re: Schools and water testing update

Thanks Andrew.

Best,
Harvey

On Oct 28, 2015, at 3:44 PM, Haan, Andrew (GOV) <HaanA2@michigan.gov> wrote:

> Harvey,
> I'm still awaiting responses to outreach at Benton Harbor and Kalamazoo. I spoke with the interim superintendent at Battle Creek Public, and she noted that there were no plans in place as of today to test the schools' water, but would be getting back to me based on the call.
>
> I will keep you updated as information emerges.
>
> Thanks,
> Andrew
>
> ---
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> **From:** Hollins, Harvey (GOV)
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Anne Armstrong Cusack
Associate Director
Governor's Office of Urban Initiatives
350 Ottawa NE
Grand Rapids, MI 49503
Cell: [redacted]
armstronga2@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Friday, October 30, 2015 11:54 AM
To: Armstrong, Anne (GOV)
Cc: Haan, Andrew (GOV); Clayton, Stacie (GOV)
Subject: Re: Schools and water testing update

Thank you!

Best,
Harvey

On Oct 30, 2015, at 11:45 AM, Armstrong, Anne (GOV) <ArmstrongA2@michigan.gov> wrote:

> Hello All,
> Holland has just completed a large bond infrastructure project. I have two calls into them, but my guess is they will not be testing.
> Godwin Heights – get their water from Wyoming. No plans to test
> Muskegon Heights – no plans to test.
> Calls still out to Godfrey Lee.
> Anne
>
> ---
>
> **From:** Hollins, Harvey (GOV)
> **Sent:** Wednesday, October 28, 2015 8:59 PM
> **To:** Haan, Andrew (GOV) <HaanA2@michigan.gov>
> **Cc:** Armstrong, Anne (GOV) <ArmstrongA2@michigan.gov>; Clayton, Stacie (GOV) <claytons3@michigan.gov>
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Cc: Clayton, Stacie (GOV) <claytons3@michigan.gov>; Haan, Andrew (GOV) <HaanA2@michigan.gov>
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> Hello All,
> I spoke with Madhu Anderson, Senior Policy Director for DEQ on the outreach to urban schools on water testing. I wanted to understand what DEQ's process was before we started canvassing, in case questions arose. George Krisztian, DEQ Lab Director and head of the Flint Action Response Team, suggested if possible that we hold off until they have a process and protocols in place on working with schools outside of the 13 Flint schools. They are working as quickly as possible with these 13 to establish some kind of response capability and backgrounder for all schools. They know, as we do, that this is most likely a statewide issue. Harvey, do you feel comfortable holding up on the calls to systems?
> Anne
>
> Anne Armstrong Cusack
> Associate Director
> Governor's Office of Urban Initiatives
> 350 Ottawa NE
> Grand Rapids, MI 49503
> Cell: [redacted]
> armstronga2@michigan.gov

From: Hollins, Harvey (GOV)
Sent: Saturday, October 31, 2015 7:08 PM
To: Michelle Zdrodowski
Subject: Re: Flint EM Order On Water Plant Upgrades

Thank you. I know there were discussions with city officials before Kurtz signed that order. Does he have any information on that?

Best,
Harvey

On Oct 29, 2015, at 3:53 PM, Michelle Zdrodowski <michelle.zdrodowski@detroitk12.org> wrote:

> Harvey,
>
> Mr. Earley asked that I send you the attached executive order signed by former Flint EM Edward Kurtz, which clearly indicates that a decision on the use of Flint River water had been made by June of 2013.
>
> This was not included in the packet of documents that had previously been provided by Treasury.
>
> Any questions, please let him know.
>
> Thanks,
>
> Z
>
> **Michelle A. Zdrodowski**
>
> Executive Director of Communications
>
> Detroit Public Schools
>
> 3011 W. Grand Boulevard, 14th Floor

Detroit, MI 48202

313.873.3238, office

[redacted]

<Water Plant EO-Kurtz Order on Water Plant.pdf>

From: Hollins, Harvey (GOV)
Sent: Wednesday, November 11, 2015 8:26 PM
To: Clayton, Stacie (GOV)
Subject: Re: Names for attendees for the Friday meeting

I guess we have to be.

Best,
Harvey

On Nov 11, 2015, at 7:58 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Are you good with this?
>
> Stacie Clayton
> Sent from my iPhone
>
> Begin forwarded message:
>
> **From:** [redacted]
> **Date:** November 11, 2015 at 7:46:27 PM EST
> **To:** <claytons3@michigan.gov>
> **Subject: Names for attendees for the Friday meeting**
>
> Mayor Karen Weaver
>
> Annie Gilcrest
> Political Action Chair of NAACP
>
> Woodrow Stanley
> Campaign Advisor Former Mayor City of Flint
>
> Rev. Henry Fuller
> President Wolverine State Baptist Convention
>
> Rev. Byron Moore
> Mayor Weaver pastor
>
> Enron Gonzales
> Advisor and Former City Councilman
>
> Rev. Allen Overton
> Concern Pastors
> Thank You so much.
> Sent from my iPad

From: Hollins, Harvey (GOV)
Sent: Wednesday, November 11, 2015 8:27 PM
To: Clayton, Stacie (GOV)
Subject: Re: Names for attendees for the Friday meeting

It's a weak list tho... Jus

Best,
Harvey

On Nov 11, 2015, at 7:58 PM, Clayton, Stacie (GOV) <claytons3@michigan.gov> wrote:

> Are you good with this?
>
> Stacie Clayton
> Sent from my iPhone
>
> Begin forwarded message:
>
> **From:** [redacted]
> **Date:** November 11, 2015 at 7:46:27 PM EST
> **To:** <claytons3@michigan.gov>
> **Subject: Names for attendees for the Friday meeting**
>
> Mayor Karen Weaver
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> Annie Gilcrest
> Political Action Chair of NAACP
>
> Woodrow Stanley
> Campaign Advisor Former Mayor City of Flint
>
> Rev. Henry Fuller
> President Wolverine State Baptist Convention
>
> Rev. Byron Moore
> Mayor Weaver pastor
>
> Enron Gonzales
> Advisor and Former City Councilman
>
> Rev. Allen Overton
> Concern Pastors
> Thank You so much.
> Sent from my iPad

From: Hollins, Harvey (GOV)
Sent: Friday, December 11, 2015 3:42 PM
To: Clayton, Stacie (GOV)
Subject: Fwd: Confirming: Dr. Mona and Flint Water Mtg 12/14 11am

Best,
Harvey

Begin forwarded message:

> **From:** "Baird, Richard (GOV)" <bairdr@michigan.gov>
> **Date:** December 11, 2015 at 3:14:45 PM EST
> **To:** "Murray, David (GOV)" <MurrayD1@michigan.gov>
> **Cc:** "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Manolakoudis, Virginia (GOV)" <ManolakoudisV@michigan.gov>
> **Subject: Fwd: Confirming: Dr. Mona and Flint Water Mtg 12/14 11am**
>
> Nick Lyon will join me. Harvey can you be there too?
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> ---------- Forwarded message ----------
> From: "Manolakoudis, Virginia (GOV)" <ManolakoudisV@michigan.gov>
> Date: Dec 11, 2015 1:46 PM
> Subject: Confirming: Dr. Mona and Flint Water Mtg 12/14 11am
> To: Chris Kolb <chris@environmentalcouncil.org>,Ken Sikkema <ksikkema@pscinc.com>,'Laurence Reynolds' <reynolds@mottchc.org>
> Cc: "Baird, Richard (GOV)" <bairdr@michigan.gov>
>
> Good Afternoon,
>
> Just double checking that you are attending Rich's meeting with Dr. Mona and Flint Water on **Monday, December 14th** at **11:00am** in the Governor's Conference Room, 2nd Floor Romney Building.
>
> We will see you on Monday!
>
> Thanks!

Virginia Manolakoudis

Executive Assistant to Richard Baird

Executive Office of Governor Rick Snyder

ManolakoudisV@michigan.gov

(517) 241-5621

From: Hollins, Harvey (GOV)
Sent: Friday, December 11, 2015 11:31 PM
To: Baird, Richard (GOV)
Cc: Murray, David (GOV); Manolakoudis, Virginia (GOV); Clayton, Stacie (GOV)
Subject: Re: Confirming: Dr. Mona and Flint Water Mtg 12/14 11am

Unfortunately, I cannot be there; I may
be able to call in instead.

Best,
Harvey

On Dec 11, 2015, at 3:14 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

> Nick Lyon will join me. Harvey can you be there too?
>
> *Sent from my Verizon Wireless 4G LTE DROID*
> ---------- Forwarded message ----------
> From: "Manolakoudis, Virginia (GOV)" <ManolakoudisV@michigan.gov>
> Date: Dec 11, 2015 1:46 PM
> Subject: Confirming: Dr. Mona and Flint Water Mtg 12/14 11am
> To: Chris Kolb <chris@environmentalcouncil.org>,Ken Sikkema
> <ksikkema@pscinc.com>,'Laurence Reynolds' <reynolds@mottchc.org>
> Cc: "Baird, Richard (GOV)" <bairdr@michigan.gov>
>
> Good Afternoon,
>
> Just double checking that you are attending Rich's meeting with Dr. Mona and Flint Water on **Monday, December 14th** at **11:00am** in the Governor's Conference Room, 2nd Floor Romney Building.
>
> We will see you on Monday!
>
> Thanks!
>
> **Virginia Manolakoudis**
>
> Executive Assistant to Richard Baird

Executive Office of Governor Rick Snyder

ManolakoudisV@michigan.gov

(517) 241-5621

From: Hollins, Harvey (GOV)
Sent: Monday, December 14, 2015 11:44 AM
To: Lyon, Nick (DHHS)
Subject: Re: Fwd:

Thanks

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994 (office)
[redacted]

On Dec 14, 2015, at 11:40 AM, Lyon, Nick (DHHS) [redacted] wrote:

Sent from my iPad

Begin forwarded message:

From: "Mona" [redacted]
To: "Lyon, Nick (DHHS)" [redacted]
Subject: Fwd:

Mona Hanna-Attisha MD MPH FAAP
Director, Pediatric Residency Program
Hurley Children's Hospital
Michigan State University

Mona Hanna-Attisha

Begin forwarded message:

From: Mona Hanna-Attisha [redacted]
Date: December 14, 2015 at 9:10:41 AM EST
To: Mona Hanna-Attisha [redacted]

Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
[redacted]

<Secondary Prevention MI 121415.pptx>

From: Hollins, Harvey (GOV)
Sent: Monday, December 14, 2015 1:26 PM
To: Lyon, Nick (DHHS)
Subject: Re: Fwd:

Thanks

Best,
Harvey Hollins III, Director
Governor's Office of Urban Initiatives

313.456.4994 (office)
[redacted]

On Dec 14, 2015, at 11:40 AM, Lyon, Nick (DHHS) <[redacted]> wrote:

> Sent from my iPad
>
> Begin forwarded message:
>
> From: "Mona" [redacted]
> To: "Lyon, Nick (DHHS)" [redacted]
> Subject: Fwd:
>
> Mona Hanna-Attisha MD MPH FAAP
> Director, Pediatric Residency Program
> Hurley Children's Hospital
> Michigan State University
>
> Mona Hanna-Attisha
>
> Begin forwarded message:
>
> From: Mona Hanna-Attisha <[redacted]>
> Date: December 14, 2015 at 9:10:41 AM EST
> To: Mona Hanna-Attisha [redacted]

Mona Hanna-Attisha MD MPH FAAP
Program Director Pediatric Residency
Hurley Children's Hospital at Hurley Medical Center
Michigan State University College of Human Medicine
Department of Pediatrics and Human Development
[redacted]

<Secondary Prevention MI 121415.pptx>

From: Hollins, Harvey (GOV)
Sent: Wednesday, December 23, 2015 6:18 PM
To: Baird, Richard (GOV)
Subject: Re: Role

Thanks Rich. On a different note, I had a great conversation with Marshall Bullock. I will tell you later.

Best,
Harvey

On Dec 23, 2015, at 1:04 PM, Baird, Richard (GOV) <bairdr@michigan.gov> wrote:

<FLint Outline of Role and Responsibility.docx>

From: Biehl, Laura (GOV)
Sent: Monday, January 04, 2016 1:08 PM
To: Walsh, John (GOV)
Subject: DEQ director messaging

Hi John- Dave asked me to send you the internal email and statement we issued last week. This makes our messaging on Dan's departure clear.

Let me know if you have any questions.

Laura

Email:
Team,

As you are aware, we have been working closely with the independent task force that has been reviewing state, local and federal actions regarding the serious health issues related to water in Flint.

Although the task force's final report is not yet complete, members have made the Governor aware of some interim findings, and there are interim steps the Governor has decided to take immediately in order to restore trust in how we in state government keep residents safe and informed.

As part of this process, Dan Wyant, director of the Department of Environmental Quality, has offered his resignation, and Governor has reluctantly decided to accept it. There are likely to be other personnel changes in MDEQ as well.

I want to thank Dan for his service. He has been the DEQ director since the start of the administration, and previously headed the Agriculture Department under both Gov. Engler and Gov. Granholm. He is passionate about public service and protecting our state's environment.

The situation in Flint is serious and challenging. We will continue to work closely with the task force and city leaders as we move forward, committed to protecting the health of people living in Flint and around our state.

Sincerely,

Jarrod Agen

Press release:

Gov. Rick Snyder takes action on initial findings from Flint Water Task Force
Changes to take place at DEQ, meeting planned with Mayor Karen Weaver

In response to initial findings from the Flint Water Task Force, Gov. Rick Snyder today issued the following statement:

"When I became aware that the city of Flint's water showed elevated lead levels and that the state's handling of the situation was being questioned, I requested funding to switch the source back to the Great Lakes Water Authority and appointed an independent task force to identify possible missteps and areas for improvement.

"The task force has done an exceptional job, reviewing stacks of documents and interviewing scores of Flint, Genesee County, state and federal officials. Although the task force's final report is not yet completed, members have made me aware of some interim findings and corrective steps that I have decided to take immediately in order to restore trust in how the state keeps its citizens safe and informed.

"We'll continue to work with the community members to make sure we hear and respond to their concerns.

"In addition, MDEQ Director Dan Wyant has offered his resignation, and I've determined that it's appropriate to accept it. I'm also making other personnel changes at MDEQ to address problems cited by the task force.

"But changes in leadership and staff are not enough. I understand there can be disagreements within the scientific community. That is why I have directed both the departments of Environmental Quality and Health and Human Services to invite every external scientist who has worked on this issue to be our partners in helping us improve Flint water. Let's share research on water and blood lead level testing so we can arrive at accurate and mutually supported conclusions. Together, we should work to affirm that we're using the very best testing protocols to ensure Flint residents have safe drinking water and that we're taking steps to protect their health over the short and long term.

"I want the Flint community to know how very sorry I am that this has happened. And I want all Michigan citizens to know that we will learn from this experience, because Flint is not the only city that has an aging infrastructure.

"I know many Flint citizens are angry and want more than an apology. That's why I'm taking the actions today to ensure a culture of openness and trust. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. Last week, I called Flint Mayor Karen Weaver, and we're going to meet soon to discuss other ways the state can offer assistance.

"These are only initial steps - we fully expect to take more actions following the recommendations of our task force. When it comes to matters of health and quality of life, we're committed to doing everything we can to protect the well-being of our citizens."

# # #

Best,

Laura Biehl
Deputy Press Secretary
Executive Office of Michigan Gov. Rick Snyder
George W. Romney Building
111 S. Capitol Ave.
Lansing, MI 48933
Office: 517-335-6397
Cell: [redacted]
BiehlL@Michigan.gov

From: Ellison, Melanie (GOV)
Sent: Wednesday, April 17, 2013 5:10 PM
To: Rustem, William (GOV)
Cc: Hall, Jean (GOV)
Subject: Flint Water Treatment

Hi Bill,

Per the Scheduling meeting this afternoon – I was hoping you could put together some information about the water treatment system before the Governor's meeting in Flint on Friday. Please let me know if you have any questions.

Thank you,

Melanie Ellison
Office of Governor Rick Snyder
O: 517-373-0504

From: Ellison, Melanie (GOV)
Sent: Thursday, April 18, 2013 8:07 AM
To: Hall, Jean (GOV)
Subject: RE: Flint Water Treatment

4:00 please ☺

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 8:04 AM
To: Ellison, Melanie (GOV)
Subject: RE: Flint Water Treatment

Bill will get this to you. What is your deadline this afternoon?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

From: Ellison, Melanie (GOV)
Sent: Wednesday, April 17, 2013 5:10 PM
To: Rustem, William (GOV)
Cc: Hall, Jean (GOV)
Subject: Flint Water Treatment

Hi Bill,

Per the Scheduling meeting this afternoon – I was hoping you could put together some information about the water treatment system before the Governor's meeting in Flint on Friday. Please let me know if you have any questions.

Thank you,

Melanie Ellison
Office of Governor Rick Snyder
O: 517-373-0504

From: Cousineau, Sara (Treasury)
Sent: Thursday, April 18, 2013 3:01 PM
To: Rustem, William (GOV)
Cc: Hall, Jean (GOV)
Subject: KWA Summary for Governor
Attachments: KWA SUMMARY FOR GOVERNOR Version I 04-18-13.doc

Please see attached.

Sara J Cousineau
Department of Treasury, Executive Office
Assistant to Brom Stibitz, Senior Policy Advisor
Assistant to Howard Ryan, Director of Legislative Affairs
Assistant to Paul Connors, Legislative Liaison
Assistant to Terry Stanton, Public Information Officer

517.373.3223 Main
517.241.2788 Direct

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

SUMMARY REPORT

TO: Brom Stibitz, Senior Policy Advisor; Department of Treasury

FROM: Eric Cline. Unit Operations Specialist

SUBJECT: Flint Water System Summary

DATE: April 18, 2013

Summary

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, five options were presented: These options ranged from the Flint Water Plant providing 100% water, to 100% provision of untreated Lake Huron Water by KWA, to 100% provision of treated drinking water by DWSD, or provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

From the presentation of the preliminary report in December 2012 to the submission of the final report by TYJT in January 2013, a number of developments made arriving at a final decision very difficult.

- DWSD provided the City of Flint with at least two modified proposals to consider.
- A debate ensued between TYJT and KWA's principal engineering firm regarding the others' conclusions and estimates for construction of the KWA pipeline.
- The Flint EFM eliminated all options except the 100% DWSD option or joining KWA.

In January 2013, the OFR provided a comprehensive report to the State Treasurer analyzing three questions: 1) The projected construction costs and why Treasury believed the projections provided by Flint/KWA were acceptable; 2) Identification of the construction contingencies; and 3) Identification of the options Flint will utilize in the event of a construction cost overrun or a delay in construction. At the end of this report, the OFR recommended to the State Treasurer that KWA presented the best future option for future potable water. The OFR also concluded that KWA appeared to be the cheaper option; the quality of water would improve; Genesee County appeared willing to assist the City in securing the financing for their portion of the project; the KWA project could signify the beginning of better collaboration between the City of Flint and Genesee County; and the KWA project had both political and popular support.

Between January and April, intense scrutiny of the various proposals was undertaken by Treasury and Flint officials. Treasury officials met with officials from Genesee County to gain a better understanding of the KWA project. In February 2013, Genesee County opened bids for construction of the Lake Huron intakes. This bid

opening represented the first meaningful step toward commencing construction of the KWA system. The bid was $3-million less than projected.

In March 2013, Treasury was notified that DWSD had contacted Flint to negotiate with the City to retain them as a customer. On April 12, 2013, the State Treasurer authorized the Flint EFM to join KWA, pending review of any final offer from DWSD. A final offer was received from DWSD on April 15, 2013.

DWSD's final offer provided two options. The first option was for a "supply only" rate schedule. Only water treatment costs would be recovered and DWDS would absorb all other delivery costs. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon DWSD's Lake Huron WTP. KWA would also have the ability to construct and own its own transmission lines.

The second option was a "full service" rate option. DWSD would provide all production and transmission services. Transmission rates would be calculated only on those costs necessary to supply KWA and no additional transmission rates would be charged. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon the Lake Huron WTP.

Independent analyses of DWSD's final offer by the OFR, the Flint EFM, and the Department of Environmental Quality (DEQ) generally reached the same conclusions:

- DWSD's offer was a framework subject to negotiations and was not a firm offer.
- The offer provided by DWSD was incomplete.
- DWSD's offer did not include a guaranteed rate beyond year one, nor did it limit maximum annual rate increases.
- The DWSD scenarios were based on 40 MGD of service capacity. However, the KWA project provides 60 MGD of initial capacity with potential expansion to 75 MGD.
- DWSD indicates that Flint/ Genesee County would be given "broadened representation," it is unclear exactly what this means in terms of actual control in the decision making processes.
- The DWSD offer relies on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes. In addition, it would leave Genesee County without an adequate backup supply to meet their needs.
- DWSD's offer included an attachment that listed the rank-ordered options (from cheapest to most expensive). DWSD Scenario 2 is listed as the least expensive option (but it is unclear how the total cost of this option was arrived at). DWSD Scenario 1 was not listed.
- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

Copy: Roger Fraser, Deputy State Treasurer; Bureau of Local Government Services
Edward Koryzno, Administrator; Office of Fiscal Responsibility
Randall Byrne, State Administrative Manager; Office of Fiscal Responsibility

<< AUTO PATH >>

From: Cousineau, Sara (Treasury)
Sent: Thursday, April 18, 2013 3:04 PM
To: Hall, Jean (GOV)
Subject: RE: KWA

Thank you

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 3:04 PM
To: Cousineau, Sara (Treasury)
Subject: RE: KWA

Got it. Bill is looking at it now. Thank you!

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

From: Cousineau, Sara (Treasury)
Sent: Thursday, April 18, 2013 3:04 PM
To: Hall, Jean (GOV)
Subject: RE: KWA

I am sorry, I just saw this. We have been crazy all day but wanted to confirm you received the KWA document?!

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 2:41 PM
To: Cousineau, Sara (Treasury)
Subject: FW: KWA

Hi Sara – can you check to see if we will have this by 3 p.m.?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

From: Rustem, William (GOV)
Sent: Thursday, April 18, 2013 9:17 AM
To: Stibitz, Brom (Treasury)
Cc: Hall, Jean (GOV)
Subject: RE: KWA

I need it by 3

From: Stibitz, Brom (Treasury)
Sent: Thursday, April 18, 2013 9:14 AM
To: Rustem, William (GOV)
Subject: KWA

I have to pull our KWA guy back from some field meetings, so we won't have anything this AM. But we should have something in time for the briefing book.

Is this going to work?

Brom Stibitz
Senior Policy Advisor
Michigan Department of Treasury
517-373-3223
stibitzb@michigan.gov

From: Rospond, Laurie (GOV)
Sent: Tuesday, January 20, 2015 1:35 PM
To: Wisniewski, Wendy (GOV); Hall, Jean (GOV); Pleyte, Beth (Treasury)
Subject: Flint Water

I have been asked to set up an internal meeting prior to the Flint Water meeting on Wed Jan 28th @ 2:00 with Dick, Dennis, Beth, Tom and John Walsh. I'm guessing ½ should do it.

Can you please let me know availability for this week and next prior to 1/28 at 2:00.

Thanks

From: [redacted]
Sent: Monday, January 26, 2015 10:33 AM
To: Hall, Jean (GOV)
Subject: Bio

Jean if you still have my Bio, would you please send it to Steve Wolbert in Flint at [redacted]

If you don't have it let me know. Thanks

Sent from my iPhone

Subject: Hollins/Brownfield Call Re:Flint
Location: HH will call MB at 5[redacted]

Start: Thu 1/29/2015 11:15 AM
End: Thu 1/29/2015 11:45 AM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Hollins, Harvey (GOV)
Required Attendees: Brownfield, Michael (GOV) (BrownfieldM2@michigan.gov); Clayton, Stacie (GOV)

From: Clayton, Stacie (GOV)
Sent: Wednesday, February 18, 2015 8:57 AM
To: Hall, Jean (GOV)
Subject: FW: Governor's Letter to President for Disaster Declration

Hi Jean,

Do you have a copy of the letter referenced below or can you tell who might?

Stacie

From: Palencia Mobley [mailto:mobleyp@detroitmi.gov]
Sent: Wednesday, February 18, 2015 8:45 AM
To: Clayton, Stacie (GOV)
Subject: Governor's Letter to President for Disaster Declration

Good Morning Stacie,

I'm trying to locate a copy of the letter the Governor sent to President Obama regarding the Presidential Disaster Declaration stemming from the August 11, 2014 storm. Does your office have a copy or do you think you can locate one?

Thanks

Palencia Mobley, P.E.

Mayor's Office
DWSD Transition Manager

Coleman A. Young Municipal Center
2 Woodward Avenue, 11th Floor
Detroit, MI 48226
Mobile: [redacted]
Email: mobleyp@detroitmi.gov

Michael E. Duggan, Mayor

From: Michelle Carnevale <MCarnevale@senate.michigan.gov>
Sent: Monday, August 03, 2015 3:34 PM
To: Hall, Jean (GOV)
Subject: PHONE CALL REQUEST: Senator Ananich and John Walsh

Hi Jean!

Senator Ananich would like to request a phone call with Mr. Walsh to discuss Flint water concerns. Would he have time tomorrow or even Wednesday this week?

Thanks!
Michelle

Michelle Carnevale
Director of Appointments
Senate Minority Leader Jim Ananich
...
Capitol Building, Room S-105 | Lansing, MI 48909-7536
P: 517.373.0692

Please sign up for our e-news at: Senatedems.com/Ananich
Facebook: jimananich | Twitter: @jimananich

From: Michelle Carnevale <MCarnevale@senate.michigan.gov>
Sent: Monday, August 03, 2015 4:11 PM
To: Hall, Jean (GOV)
Subject: RE: PHONE CALL REQUEST: Senator Ananich and John Walsh

Thanks for getting back to me. Senator would prefer to speak with Mr. Walsh. Does he have any availability the week he returns or the week of the 17th?

Michelle Carnevale
Director of Appointments
Senate Minority Leader Jim Ananich
...
Capitol Building, Room S-105 | Lansing, MI 48909-7536
P: 517.373.0692

Please sign up for our e-news at: Senatedems.com/Ananich
Facebook: jimananich | Twitter: @jimananich

From: Hall, Jean (GOV) [mailto:hallj16@michigan.gov]
Sent: Monday, August 3, 2015 3:37 PM
To: Michelle Carnevale <MCarnevale@senate.michigan.gov>
Subject: RE: PHONE CALL REQUEST: Senator Ananich and John Walsh

Hi Michelle,

John is out of the country and won't be back in the office until August 10th. Would the Senator like to schedule a call with our Deputy Director Chris Priest. He has availability between 8:30 and 10 a.m. tomorrow morning. Please let me know. Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
hallj16@michigan.gov
517-241-5493

From: Michelle Carnevale [mailto:MCarnevale@senate.michigan.gov]
Sent: Monday, August 03, 2015 3:34 PM
To: Hall, Jean (GOV)
Subject: PHONE CALL REQUEST: Senator Ananich and John Walsh

Hi Jean!

Senator Ananich would like to request a phone call with Mr. Walsh to discuss Flint water concerns. Would he have time tomorrow or even Wednesday this week?

Thanks!
Michelle

Michelle Carnevale
Director of Appointments
Senate Minority Leader Jim Ananich
..
Capitol Building, Room S-105 | Lansing, MI 48909-7536
P: 517.373.0692

Please sign up for our e-news at: Senatedems.com/Ananich
Facebook: jimananich | Twitter: @jimananich

From: Brown, Eric (GOV)
Sent: Friday, October 02, 2015 9:02 AM
To: Hall, Jean (GOV)
Cc: Mcbride, Bill (GOV)
Subject: Flint letters
Attachments: Peters Lead Flint 10-02-2015.docx; Stabenow Lead Flint 10-02-2015.docx; Kildee Lead Flint 10-02-2015.docx

Jean,
Thanks for your help this morning. I have included 3 letters, one for Congressman Kildee, and one each for Senators Peters and Stabenow. Please let me know if there are any format problems, etc. I need these ASAP, if possible. Sorry for the fire drill!
--Eric

Eric K Brown
Senior Federal Policy Representative
State of Michigan – Governor Rick Snyder
Washington D.C. Office
202.624.5840 (office)
[redacted]

Date

The Honorable Gary Peters
U.S. Senate
724 Hart Senate Office Building
Washington, DC 20510

Senator Peters:

As we continue to address ongoing issues related to the City of Flint's water, I want to make sure you are aware of the actions taken by the State of Michigan to ensure that the residents of Flint have access to safe, clean drinking water. These actions include:

1. Immediately test Flint public schools to ensure that drinking water is safe. Testing also will be available at no cost to any other school in Flint.
2. Expand health exposure testing of individual residences.
3. Offer water testing at no cost to Flint residents to assure water is safe.
4. Begin optimizing corrosion controls in the Flint drinking water system.
5. Convene a "Safe Drinking Water Technical Advisory Committee" to ensure the best technology, practices and science are being utilized, and add an expert from the EPA's Office of Research and Development to the group.
6. Accelerate water system improvements to address replacement of lead service lines.
7. Expedite completion of Karegnondi Water Authority.
8. Appointment of Dr. Eden Wells as the Flint Drinking Water Public Health Advisor.
9. Provide water filters to residents of Flint.
10. Expand a comprehensive lead education initiative.

While these actions will mitigate the risk of lead exposure in the immediate and long term, there are a number of federal regulatory hurdles that impede our ability to further reduce risk. Accordingly, I would appreciate your assistance on the following federal items:

1. Make federal Drinking Water Revolving Loan funds available for the replacement of private service lines.
2. Ease and/or eliminate restrictions on the purchase of bottled water for SNAP and WIC recipients. This should include a temporary, targeted increase in SNAP benefits so that the purchase of bottled water does not count against a recipients' current SNAP allocation.
3. Request that EPA expedite promulgation of the long term revisions to the Lead and Copper Rule.

As the situation continues to evolve, I would also appreciate your assistance in the event that additional federal action is needed.

Thank you for your continued efforts to ensure that the residents of Flint have access to safe, clean drinking water. I look forward to continuing to work with you on this and many other issues of importance to Michiganders.

Sincerely,

/s/

Rick Snyder

Date

The Honorable Debbie Stabenow
U.S. Senate
731 Hart Senate Office Building
Washington, DC 20510

Senator Stabenow:

As we continue to address ongoing issues related to the City of Flint's water, I want to make sure you are aware of the actions taken by the State of Michigan to ensure that the residents of Flint have access to safe, clean drinking water. These actions include:

1. Immediately test Flint public schools to ensure that drinking water is safe. Testing also will be available at no cost to any other school in Flint.
2. Expand health exposure testing of individual residences.
3. Offer water testing at no cost to Flint residents to assure water is safe.
4. Begin optimizing corrosion controls in the Flint drinking water system.
5. Convene a "Safe Drinking Water Technical Advisory Committee" to ensure the best technology, practices and science are being utilized, and add an expert from the EPA's Office of Research and Development to the group.
6. Accelerate water system improvements to address replacement of lead service lines.
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While these actions will mitigate the risk of lead exposure in the immediate and long term, there are a number of federal regulatory hurdles that impede our ability to further reduce risk. Accordingly, I would appreciate your assistance on the following federal items:

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3. Request that EPA expedite promulgation of the long term revisions to the Lead and Copper Rule.

As the situation continues to evolve, I would also appreciate your assistance in the event that additional federal action is needed.

Thank you for your continued efforts to ensure that the residents of Flint have access to safe, clean drinking water. I look forward to continuing to work with you on this and many other issues of importance to Michiganders.

Sincerely,

/s/

Rick Snyder

Date

The Honorable Dan Kildee
U.S. House of Representatives
227 Cannon House Office Building
Washington, DC 20515

Congressman Kildee:

As part of our ongoing dialogue related to the City of Flint's water, I want to make sure you are aware of the actions taken by the State of Michigan to ensure that the residents of Flint have access to safe, clean drinking water. These actions include:

1. Immediately test Flint public schools to ensure that drinking water is safe. Testing also will be available at no cost to any other school in Flint.
2. Expand health exposure testing of individual residences.
3. Offer water testing at no cost to Flint residents to assure water is safe.
4. Begin optimizing corrosion controls in the Flint drinking water system.
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9. Provide water filters to residents of Flint.
10. Expand a comprehensive lead education initiative.

While these actions will mitigate the risk of lead exposure in the immediate and long term, there are a number of federal regulatory hurdles that impede our ability to further reduce risk. As the federal representative for the City of Flint, I would appreciate your assistance on the following federal items:

1. Make federal Drinking Water Revolving Loan funds available for the replacement of private service lines.
2. Ease and/or eliminate restrictions on the purchase of bottled water for SNAP and WIC recipients. This should include a temporary, targeted increase in SNAP benefits so that the purchase of bottled water does not count against a recipients' current SNAP allocation.
3. Request that EPA expedite promulgation of the long term revisions to the Lead and Copper Rule.

As the situation continues to evolve, I would also appreciate your assistance in the event that additional federal action is needed.

Thank you for your continued advocacy related to the City of Flint's water. I have appreciated the ongoing dialogue and am heartened to have a partner in ensuring that the residents of Flint have access to safe, clean drinking water. I look forward to continuing to work with you on this and many other issues of importance to Michiganders.

Sincerely,

/s/

Rick Snyder

From: Brown, Eric (GOV)
Sent: Friday, October 02, 2015 9:08 AM
To: Hall, Jean (GOV)
Subject: RE: Flint letters

You're the best!!! I owe you once again

From: Hall, Jean (GOV)
Sent: Friday, October 02, 2015 9:08 AM
To: Brown, Eric (GOV) <BrownE15@michigan.gov>
Cc: Mcbride, Bill (GOV) <mcbrideb@michigan.gov>
Subject: RE: Flint letters

Got it. Will take me a minute to get on letterhead and sign. Stand by.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hall116@michigan.gov
517-241-5493

From: Brown, Eric (GOV)
Sent: Friday, October 02, 2015 9:02 AM
To: Hall, Jean (GOV) <hall116@michigan.gov>
Cc: Mcbride, Bill (GOV) <mcbrideb@michigan.gov>
Subject: Flint letters

Jean,
Thanks for your help this morning. I have included 3 letters, one for Congressman Kildee, and one each for Senators Peters and Stabenow. Please let me know if there are any format problems, etc. I need these ASAP, if possible. Sorry for the fire drill!
--Eric

Eric K Brown
Senior Federal Policy Representative
State of Michigan – Governor Rick Snyder
Washington D.C. Office
202.624.5840 (office)
[redacted]

From: Brown, Eric (GOV)
Sent: Friday, October 02, 2015 10:04 AM
To: Hall, Jean (GOV)
Cc: Mcbride, Bill (GOV)
Subject: RE: Flint letters

These look great. Thanks again for your help.
--Eric

From: Hall, Jean (GOV)
Sent: Friday, October 02, 2015 10:03 AM
To: Brown, Eric (GOV) <BrownE15@michigan.gov>
Cc: Mcbride, Bill (GOV) <mcbrideb@michigan.gov>
Subject: RE: Flint letters

O.k. Let me know if there are any problems.

Thanks.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Brown, Eric (GOV)
Sent: Friday, October 02, 2015 9:02 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Mcbride, Bill (GOV) <mcbrideb@michigan.gov>
Subject: Flint letters

Jean,
Thanks for your help this morning. I have included 3 letters, one for Congressman Kildee, and one each for Senators Peters and Stabenow. Please let me know if there are any format problems, etc. I need these ASAP, if possible. Sorry for the fire drill!
--Eric

Eric K Brown
Senior Federal Policy Representative
State of Michigan – Governor Rick Snyder
Washington D.C. Office
202.624.5840 (office)
[redacted] (mobile)

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, October 14, 2015 9:27 AM
To: Hall, Jean (GOV)
Subject: Re: Today's Flint Next Steps Meeting

FYI - this is Jarrods meeting and I'll let him know

Sent from my iPad

On Oct 14, 2015, at 9:23 AM, Hall, Jean (GOV) <hallj16@michigan.gov> wrote:

> Hi Dennis,
>
> John asked me to let you know that he has a House meeting on DPS this morning at 10:30 a.m. at the Capitol. He most likely won't make it back for the Flint meeting and he has asked Ari to cover it for him.
>
> Thank you.
>
> Jean Hall
> Executive Assistant
> Office of Strategic Policy
> Executive Office of Governor Rick Snyder
> Hallj16@michigan.gov
> 517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, October 14, 2015 9:30 AM
To: Hall, Jean (GOV)
Subject: Re: Today's Flint Next Steps Meeting

No problems

Sent from my iPad

On Oct 14, 2015, at 9:29 AM, Hall, Jean (GOV) <hallj16@michigan.gov> wrote:

> Thanks. Sorry.
>
> Jean Hall
> Executive Assistant
> Office of Strategic Policy
> Executive Office of Governor Rick Snyder
> Hallj16@michigan.gov
> 517-241-5493
>
> ---
>
> **From:** Wisniewski, Wendy (GOV)
> **Sent:** Wednesday, October 14, 2015 9:27 AM
> **To:** Hall, Jean (GOV) <hallj16@michigan.gov>
> **Subject:** Re: Today's Flint Next Steps Meeting
>
> FYI - this is Jarrods meeting and I'll let him know
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> Sent from my iPad
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> >
> > Thank you.
> >
> > Jean Hall
> > Executive Assistant
> > Office of Strategic Policy
> > Executive Office of Governor Rick Snyder
> > Hallj16@michigan.gov
> > 517-241-5493

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 8:04 AM
To: Ellison, Melanie (GOV)
Subject: RE: Flint Water Treatment

Bill will get this to you. What is your deadline this afternoon?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

From: Ellison, Melanie (GOV)
Sent: Wednesday, April 17, 2013 5:10 PM
To: Rustem, William (GOV)
Cc: Hall, Jean (GOV)
Subject: Flint Water Treatment

Hi Bill,

Per the Scheduling meeting this afternoon – I was hoping you could put together some information about the water treatment system before the Governor's meeting in Flint on Friday. Please let me know if you have any questions.

Thank you,

Melanie Ellison
Office of Governor Rick Snyder
O: 517-373-0504

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 1:46 PM
To: Emmitt, Beth (GOV)
Cc: Ellison, Melanie (GOV); Wendy Wisniewski (WisniewskiW@michigan.gov); Clayton, Stacie (GOV) (claytons3@michigan.gov); Clayton, Stacie (GOV) (claytons3 @michigan.gov)
Subject: RE: Water Meeting Tomorrow

Importance: High

O.K. I was confused- Bill is working on one for Flint, but can also do one for the Detroit meeting if needed. He is working with Brom at Treasury on the Flint briefing. HOWEVER, he thought Wendy may have also requested something from Treasury for tomorrow's Detroit meeting since Dennis set it up. Staci do you have anything to add to this?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

-----Original Message-----
From: Emmitt, Beth (GOV)
Sent: Thursday, April 18, 2013 1:41 PM
To: Hall, Jean (GOV)
Cc: Ellison, Melanie (GOV)
Subject: RE: Water Meeting Tomorrow

Ok - I wanted to see if Treasury was sending something too. Is Bill working with them directly?

-----Original Message-----
From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 1:40 PM
To: Emmitt, Beth (GOV)
Subject: RE: Water Meeting Tomorrow

Bill is working on it -knows the deadline is 4 p.m.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

-----Original Message-----
From: Emmitt, Beth (GOV)
Sent: Thursday, April 18, 2013 1:37 PM
To: Hichez, Amy (Treasury)
Cc: Clayton, Stacie (GOV); Ellison, Melanie (GOV); Rustem, William (GOV); Hall, Jean (GOV)
Subject: Water Meeting Tomorrow

Are we going to have a briefing on this tonight from Treasury?

From: Rustem, William (GOV)
Sent: Thursday, April 18, 2013 2:03 PM
To: GovCalendar
Subject: Accepted: RDS/GT/VB - KWA & DWSD (Water) Meeting

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 3:04 PM
To: Cousineau, Sara (Treasury)
Subject: RE: KWA

Got it. Bill is looking at it now. Thank you!

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

From: Cousineau, Sara (Treasury)
Sent: Thursday, April 18, 2013 3:04 PM
To: Hall, Jean (GOV)
Subject: RE: KWA

I am sorry, I just saw this. We have been crazy all day but wanted to confirm you received the KWA document?!

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 2:41 PM
To: Cousineau, Sara (Treasury)
Subject: FW: KWA

Hi Sara – can you check to see if we will have this by 3 p.m.?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

From: Rustem, William (GOV)
Sent: Thursday, April 18, 2013 9:17 AM
To: Stibitz, Brom (Treasury)
Cc: Hall, Jean (GOV)
Subject: RE: KWA

I need it by 3

From: Stibitz, Brom (Treasury)
Sent: Thursday, April 18, 2013 9:14 AM
To: Rustem, William (GOV)
Subject: KWA

I have to pull our KWA guy back from some field meetings, so we won't have anything this AM. But we should have something in time for the briefing book.

Is this going to work?

Brom Stibitz
Senior Policy Advisor
Michigan Department of Treasury
517-373-3223
stibitzb@michigan.gov

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 3:30 PM
To: Ellison, Melanie (GOV)
Cc: Emmitt, Beth (GOV); Bill Rustem (rustemw@michigan.gov)
Subject: For Governor's Packet
Attachments: Memo Flint Water System 130418.docx; [redacted]

Here you go, Melanie.

Please let me know if you have any questions.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Hallj16@michigan.gov

TO: Governor Snyder
CC: Dennis Muchmore, John Roberts, Harvey Hollins, Allison Scott

FROM: Bill Rustem

SUBJECT: Flint Water System

DATE: April 18, 2013

Governor, this information was compiled by the Department of Treasury.

Summary

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, five options were presented: These options ranged from the Flint Water Plant providing 100% water, to 100% provision of untreated Lake Huron Water by KWA, to 100% provision of treated drinking water by DWSD, or provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

From the presentation of the preliminary report in December 2012 to the submission of the final report by TYJT in January 2013, a number of developments made arriving at a final decision very difficult.

- DWSD provided the City of Flint with at least two modified proposals to consider.
- A debate ensued between TYJT and KWA's principal engineering firm regarding the others' conclusions and estimates for construction of the KWA pipeline.
- The Flint EFM eliminated all options except the 100% DWSD option or joining KWA.

In January 2013, the Office of Financial Review (OFR) provided a comprehensive report to the State Treasurer analyzing three questions: 1) The projected construction costs and why Treasury believed the projections provided by Flint/KWA were acceptable; 2) Identification of the construction contingencies; and 3) Identification of the options Flint will utilize in the event of a construction cost overrun or a delay in construction. At the end of this report, the OFR recommended to the State Treasurer that KWA presented the best future option for future potable water. The OFR also concluded that KWA appeared to be the cheaper option; the quality of water would improve; Genesee County appeared willing to assist the City in securing the financing for their portion of the project; the KWA project could signify the beginning of better collaboration between the City of Flint and Genesee County; and the KWA project had both political and popular support.

Between January and April, intense scrutiny of the various proposals was undertaken by Treasury and Flint officials. Treasury officials met with officials from Genesee County to gain a better understanding of

the KWA project. In February 2013, Genesee County opened bids for construction of the Lake Huron intakes. This bid opening represented the first meaningful step toward commencing construction of the KWA system. The bid was $3-million less than projected.

In March 2013, Treasury was notified that DWSD had contacted Flint to negotiate with the City to retain them as a customer. On April 12, 2013, the State Treasurer authorized the Flint EFM to join KWA, pending review of any final offer from DWSD. A final offer was received from DWSD on April 15, 2013.

DWSD's final offer provided two options. The first option was for a "supply only" rate schedule. Only water treatment costs would be recovered and DWDS would absorb all other delivery costs. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon DWSD's Lake Huron WTP. KWA would also have the ability to construct and own its own transmission lines.

The second option was a "full service" rate option. DWSD would provide all production and transmission services. Transmission rates would be calculated only on those costs necessary to supply KWA and no additional transmission rates would be charged. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon the Lake Huron WTP.

Independent analyses of DWSD's final offer by the OFR, the Flint EFM, and the Department of Environmental Quality (DEQ) generally reached the same conclusions:

- DWSD's offer was a framework subject to negotiations and was not a firm offer.
- The offer provided by DWSD was incomplete.
- DWSD's offer did not include a guaranteed rate beyond year one, nor did it limit maximum annual rate increases.
- The DWSD scenarios were based on 40 MGD of service capacity. However, the KWA project provides 60 MGD of initial capacity with potential expansion to 75 MGD.
- DWSD indicates that Flint/ Genesee County would be given "broadened representation," it is unclear exactly what this means in terms of actual control in the decision making processes.
- The DWSD offer relies on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes. In addition, it would leave Genesee County without an adequate backup supply to meet their needs.
- DWSD's offer included an attachment that listed the rank-ordered options (from cheapest to most expensive). DWSD Scenario 2 is listed as the least expensive option (but it is unclear how the total cost of this option was arrived at). DWSD Scenario 1 was not listed.
- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

Attachment Redacted as Irrelevant

From:	Hall, Jean (GOV)
Sent:	Thursday, April 18, 2013 3:32 PM
To:	Muchmore, Dennis (GOV) (muchmored@michigan.gov); Roberts, John (GOV) (robertsj9 @michigan.gov); Hollins, Harvey (GOV) (hollinsh@michigan.gov); Scott, Allison (GOV) (scotta12@michigan.gov)
Cc:	Wendy Wisniewski (WisniewskiW@michigan.gov); Clayton, Stacie (GOV) (claytons3 @michigan.gov); Hansen, Rachel (GOV)
Subject:	Memo Flint Water System
Attachments:	Memo Flint Water System 130418.docx

You were cc'd on the attached memo to the Governor.

Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
HallJ16@michigan.gov

TO: Governor Snyder
CC: Dennis Muchmore, John Roberts, Harvey Hollins, Allison Scott

FROM: Bill Rustem

SUBJECT: Flint Water System

DATE: April 18, 2013

Governor, this information was compiled by the Department of Treasury.

Summary

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- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

From: Rustem, William (GOV)
Sent: Friday, April 19, 2013 7:49 AM
To: GovCalendar
Subject: Declined: RDS/GT/VB - KWA & DWSD (Water) Meeting

From: Rustem, William (GOV)
Sent: Friday, April 19, 2013 10:57 AM
To: GovCalendar
Subject: Declined: RDS/GT/VB - KWA & DWSD (Water) Meeting

From: Hall, Jean (GOV)
Sent: Monday, May 06, 2013 10:51 AM
To: EFM-ORR (GOV)
Attachments: RE: KWA; RE: KWA; RE: KWA; KWA Summary for Governor; FW: KWA

From: Cousineau, Sara (Treasury)
Sent: Thursday, April 18, 2013 3:04 PM
Subject: RE: KWA

Thank you

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 3:04 PM
To: Cousineau, Sara (Treasury)
Subject: RE: KWA

Got it. Bill is looking at it now. Thank you!

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
HallJ16@michigan.gov

From: Cousineau, Sara (Treasury)
Sent: Thursday, April 18, 2013 3:04 PM
To: Hall, Jean (GOV)
Subject: RE: KWA

I am sorry, I just saw this. We have been crazy all day but wanted to confirm you received the KWA document?!

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 2:41 PM
To: Cousineau, Sara (Treasury)
Subject: FW: KWA

Hi Sara – can you check to see if we will have this by 3 p.m.?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
HallJ16@michigan.gov

From: Rustem, William (GOV)
Sent: Thursday, April 18, 2013 9:17 AM
To: Stibitz, Brom (Treasury)
Cc: Hall, Jean (GOV)
Subject: RE: KWA

I need it by 3

From: Stibitz, Brom (Treasury)
Sent: Thursday, April 18, 2013 9:14 AM
To: Rustem, William (GOV)
Subject: KWA

I have to pull our KWA guy back from some field meetings, so we won't have anything this AM. But we should have something in time for the briefing book.

Is this going to work?

Brom Stibitz
Senior Policy Advisor
Michigan Department of Treasury
517-373-3223
stibitzb@michigan.gov

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 3:04 PM
Subject: RE: KWA

Got it. Bill is looking at it now. Thank you!

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
Halli16@michigan.gov

From: Cousineau, Sara (Treasury)
Sent: Thursday, April 18, 2013 3:04 PM
To: Hall, Jean (GOV)
Subject: RE: KWA

I am sorry, I just saw this. We have been crazy all day but wanted to confirm you received the KWA document?!

From: Hall, Jean (GOV)
Sent: Thursday, April 18, 2013 2:41 PM
To: Cousineau, Sara (Treasury)
Subject: FW: KWA

Hi Sara – can you check to see if we will have this by 3 p.m.?

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
(517) 241-5493
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Michigan Department of Treasury
517-373-3223
stibitzb@michigan.gov

From: Cousineau, Sara (Treasury)
Sent: Thursday, April 18, 2013 3:01 PM
Subject: KWA Summary for Governor
Attachments: KWA SUMMARY FOR GOVERNOR Version I 04-18-13.doc

Please see attached.

Sara J Cousineau
Department of Treasury, Executive Office
Assistant to Brom Stibitz, Senior Policy Advisor
Assistant to Howard Ryan, Director of Legislative Affairs
Assistant to Paul Connors, Legislative Liaison
Assistant to Terry Stanton, Public Information Officer

517.373.3223 Main
517.241.2788 Direct

89 (Rev. 02-11)

STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

SUMMARY REPORT

TO: Brom Stibitz, Senior Policy Advisor; Department of Treasury

FROM: Eric Cline. Unit Operations Specialist

SUBJECT: Flint Water System Summary

DATE: April 18, 2013

Summary

In November 2012 the Department of Treasury commissioned the firm of Tucker, Young, Jackson & Tull, Inc. (TYJT) to analyze options for the City of Flint to either remain a customer of the Detroit Water & Sewer Department (DWSD) or to join the Karegnondi Water Authority (KWA) in Genesee County. The purpose of this study was to provide objective analyses to the State Treasurer and Flint's Emergency Financial Manager (EFM) in order to secure future potable drinking water for the City.

In December 2012, staff from TYJT met with representatives from the Department of Treasury and the City of Flint to provide a preliminary report on their findings. At this meeting, five options were presented: These options ranged from the Flint Water Plant providing 100% water, to 100% provision of untreated Lake Huron Water by KWA, to 100% provision of treated drinking water by DWSD, or provision of variable amounts of water from DWSD using a combination of blended DWSD water and Flint River water.

From the presentation of the preliminary report in December 2012 to the submission of the final report by TYJT in January 2013, a number of developments made arriving at a final decision very difficult.

- DWSD provided the City of Flint with at least two modified proposals to consider.
- A debate ensued between TYJT and KWA's principal engineering firm regarding the others' conclusions and estimates for construction of the KWA pipeline.
- The Flint EFM eliminated all options except the 100% DWSD option or joining KWA.

In January 2013, the OFR provided a comprehensive report to the State Treasurer analyzing three questions: 1) The projected construction costs and why Treasury believed the projections provided by Flint/KWA were acceptable; 2) Identification of the construction contingencies; and 3) Identification of the options Flint will utilize in the event of a construction cost overrun or a delay in construction. At the end of this report, the OFR recommended to the State Treasurer that KWA presented the best future option for future potable water. The OFR also concluded that KWA appeared to be the cheaper option; the quality of water would improve; Genesee County appeared willing to assist the City in securing the financing for their portion of the project; the KWA project could signify the beginning of better collaboration between the City of Flint and Genesee County; and the KWA project had both political and popular support.

Between January and April, intense scrutiny of the various proposals was undertaken by Treasury and Flint officials. Treasury officials met with officials from Genesee County to gain a better understanding of the KWA project. In February 2013, Genesee County opened bids for construction of the Lake Huron intakes. This bid

opening represented the first meaningful step toward commencing construction of the KWA system. The bid was $3-million less than projected.

In March 2013, Treasury was notified that DWSD had contacted Flint to negotiate with the City to retain them as a customer. On April 12, 2013, the State Treasurer authorized the Flint EFM to join KWA, pending review of any final offer from DWSD. A final offer was received from DWSD on April 15, 2013.

DWSD's final offer provided two options. The first option was for a "supply only" rate schedule. Only water treatment costs would be recovered and DWDS would absorb all other delivery costs. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon DWSD's Lake Huron WTP. KWA would also have the ability to construct and own its own transmission lines.

The second option was a "full service" rate option. DWSD would provide all production and transmission services. Transmission rates would be calculated only on those costs necessary to supply KWA and no additional transmission rates would be charged. Capital and operating revenue charges would be calculated based upon KWA's usage relative to the entire demand upon the Lake Huron WTP.

Independent analyses of DWSD's final offer by the OFR, the Flint EFM, and the Department of Environmental Quality (DEQ) generally reached the same conclusions:

- DWSD's offer was a framework subject to negotiations and was not a firm offer.
- The offer provided by DWSD was incomplete.
- DWSD's offer did not include a guaranteed rate beyond year one, nor did it limit maximum annual rate increases.
- The DWSD scenarios were based on 40 MGD of service capacity. However, the KWA project provides 60 MGD of initial capacity with potential expansion to 75 MGD.
- DWSD indicates that Flint/ Genesee County would be given "broadened representation," it is unclear exactly what this means in terms of actual control in the decision making processes.
- The DWSD offer relies on a single transmission system and would require the City of Flint to maintain its WTP for emergency purposes. In addition, it would leave Genesee County without an adequate backup supply to meet their needs.
- DWSD's offer included an attachment that listed the rank-ordered options (from cheapest to most expensive). DWSD Scenario 2 is listed as the least expensive option (but it is unclear how the total cost of this option was arrived at). DWSD Scenario 1 was not listed.
- DWSD provided a summary table of their unit costs but how these figures are arrived at was not clear, so analysis proved difficult.

Without specific details from DWSD on this proposal, a true comparative analysis is difficult to provide. As such the Flint EFM rejected the DWSD proposal and agreed to join KWA.

If further information on this issue is needed, please let me know.

Copy: Roger Fraser, Deputy State Treasurer; Bureau of Local Government Services
Edward Koryzno, Administrator; Office of Fiscal Responsibility
Randall Byrne, State Administrative Manager; Office of Fiscal Responsibility

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Senior Policy Advisor
Michigan Department of Treasury
517-373-3223
stibitzb@michigan.gov

From: Hall, Jean (GOV)
Sent: Monday, May 06, 2013 12:10 PM
To: EFM-ORR (GOV)
Attachments: [redacted]KWA Summary for Governor

Attachment Redacted as Irrelevant

Attachment Redacted as Irrelevant

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STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

ANDY DILLON
STATE TREASURER

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FROM: Eric Cline. Unit Operations Specialist

SUBJECT: Flint Water System Summary

DATE: April 18, 2013

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Edward Koryzno, Administrator; Office of Fiscal Responsibility
Randall Byrne, State Administrative Manager; Office of Fiscal Responsibility

<< AUTO PATH >>

From: Hall, Jean (GOV)
Sent: Tuesday, January 20, 2015 1:38 PM
To: Rospond, Laurie (GOV); Wisniewski, Wendy (GOV); Pleyte, Beth (Treasury)
Subject: RE: Flint Water

John is available before senior staff on Monday, Jan. 26th or from 1 to 2 p.m. or at 4:30 p.m.
Jan. 27th – he is in Detroit all day
Jan. 28th –between 10 and 11 a.m.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Rospond, Laurie (GOV)
Sent: Tuesday, January 20, 2015 1:35 PM
To: Wisniewski, Wendy (GOV); Hall, Jean (GOV); Pleyte, Beth (Treasury)
Subject: Flint Water

I have been asked to set up an internal meeting prior to the Flint Water meeting on Wed Jan 28th @ 2:00 with Dick, Dennis, Beth, Tom and John Walsh. I'm guessing ½ should do it.

Can you please let me know availability for this week and next prior to 1/28 at 2:00.

Thanks

From: Hall, Jean (GOV)
Sent: Monday, August 03, 2015 3:37 PM
To: 'Michelle Carnevale'
Subject: RE: PHONE CALL REQUEST: Senator Ananich and John Walsh

Hi Michelle,

John is out of the country and won't be back in the office until August 10th. Would the Senator like to schedule a call with our Deputy Director Chris Priest. He has availability between 8:30 and 10 a.m. tomorrow morning. Please let me know. Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ15@michigan.gov
517-241-5493

From: Michelle Carnevale [mailto:MCarnevale@senate.michigan.gov]
Sent: Monday, August 03, 2015 3:34 PM
To: Hall, Jean (GOV)
Subject: PHONE CALL REQUEST: Senator Ananich and John Walsh

Hi Jean!

Senator Ananich would like to request a phone call with Mr. Walsh to discuss Flint water concerns. Would he have time tomorrow or even Wednesday this week?

Thanks!
Michelle

Michelle Carnevale
Director of Appointments
Senate Minority Leader Jim Ananich
...
Capitol Building, Room S-105 | Lansing, MI 48909-7536
P: 517.373.0692

Please sign up for our e-news at: Senatedems.com/Ananich
Facebook: jimananich | Twitter: @jimananich

From: Hall, Jean (GOV)
Sent: Friday, October 02, 2015 9:08 AM
To: Brown, Eric (GOV)
Cc: Mcbride, Bill (GOV)
Subject: RE: Flint letters

Got it. Will take me a minute to get on letterhead and sign. Stand by.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Brown, Eric (GOV)
Sent: Friday, October 02, 2015 9:02 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Mcbride, Bill (GOV) <mcbrideb@michigan.gov>
Subject: Flint letters

Jean,
Thanks for your help this morning. I have included 3 letters, one for Congressman Kildee, and one each for Senators Peters and Stabenow. Please let me know if there are any format problems, etc. I need these ASAP, if possible. Sorry for the fire drill!
--Eric

Eric K Brown
Senior Federal Policy Representative
State of Michigan – Governor Rick Snyder
Washington D.C. Office
202.624.5840 (office)
[redacted] (mobile)

From: Hall, Jean (GOV)
Sent: Friday, October 02, 2015 9:41 AM
To: 'Brown, Eric (GOV)'
Cc: Mcbride, Bill (GOV)
Subject: RE: Flint letters
Attachments: 10.2.15 Kildee.pdf; 10.2.15 Stabenow.pdf; 10.2.15 Peters.pdf

Please read over, we made a couple grammatical changes. Let me know if you need anything else.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Brown, Eric (GOV)
Sent: Friday, October 02, 2015 9:02 AM
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Cc: Mcbride, Bill (GOV) <mcbridebb@michigan.gov>
Subject: Flint letters

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STATE OF MICHIGAN

RICK SNYDER
GOVERNOR

EXECUTIVE OFFICE
LANSING

BRIAN CALLEY
LT. GOVERNOR

October 2, 2015

The Honorable Dan Kildee
U.S. House of Representatives
227 Cannon House Office Building
Washington, DC 20515

Congressman Kildee:

As part of our ongoing dialogue related to the City of Flint's water, I want to make sure you are aware of the actions taken by the State of Michigan to ensure that the residents of Flint have access to safe, clean drinking water. These actions include:

1. Immediately testing Flint's public school district to ensure that drinking water is safe. Testing also will be available at no cost to any other school in Flint.
2. Expanding health exposure testing of individual residences.
3. Offering water testing at no cost to Flint residents to assure the water is safe.
4. Begin optimizing corrosion controls in the Flint drinking water system.
5. Convening a "Safe Drinking Water Technical Advisory Committee" to ensure the best technology, practices, and science are being utilized. This Committee will include an expert from the EPA's Office of Research and Development.
6. Accelerating water system improvements to address replacement of lead service lines.
7. Expediting completion of Karegnondi Water Authority.
8. Appointing Dr. Eden Wells as the Flint Drinking Water Public Health Advisor.
9. Providing water filters to residents of Flint.
10. Expanding a comprehensive lead education initiative.

While these actions will mitigate the risk of lead exposure in the immediate and long term, there are a number of federal regulatory hurdles that impede our ability to further reduce risk. As the federal representative for the City of Flint, I would appreciate your assistance on the following federal items:

1. Make federal Drinking Water Revolving Loan funds available for the replacement of private service lines.
2. Ease and/or eliminate restrictions on the purchase of bottled water for SNAP and WIC recipients. This should include a temporary, targeted increase in SNAP benefits so that the purchase of bottled water does not count against a recipients' current SNAP allocation.
3. Request that the EPA expedite promulgation of the long term revisions to the Lead and Copper Rule.

As the situation continues to evolve, I would also appreciate your assistance in the event that additional federal action is needed.

Thank you for your continued advocacy related to the City of Flint's water. I have appreciated the ongoing dialogue and am heartened to have a partner in ensuring that the residents of Flint have access to safe, clean drinking water. I look forward to continuing to work with you on this and many other issues of importance to Michiganders.

Sincerely,

Rick Snyder
Governor

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

BRIAN CALLEY
LT. GOVERNOR

October 2, 2015

The Honorable Debbie Stabenow
U.S. Senate
731 Hart Senate Office Building
Washington, DC 20510

Senator Stabenow:

As part of our ongoing dialogue related to the City of Flint's water, I want to make sure you are aware of the actions taken by the State of Michigan to ensure that the residents of Flint have access to safe, clean drinking water. These actions include:

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As the situation continues to evolve, I would also appreciate your assistance in the event that additional federal action is needed.

Thank you for your continued efforts to ensure that the residents of Flint have access to safe, clean drinking water. I look forward to continuing to work with you on this and many other issues of importance to Michiganders.

Sincerely,

Rick Snyder
Governor

STATE OF MICHIGAN
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LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

October 2, 2015

The Honorable Gary Peters
U.S. Senate
724 Hart Senate Office Building
Washington, DC 20510

Senator Peters:

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From: Hall, Jean (GOV)
Sent: Friday, October 02, 2015 10:03 AM
To: 'Brown, Eric (GOV)'
Cc: Mcbride, Bill (GOV)
Subject: RE: Flint letters
Attachments: 10.2.15 Kildee.pdf; 10.2.15 Peters.pdf; 10.2.15 Stabenow.pdf

O.k. Let me know if there are any problems.

Thanks.

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1. Immediately testing Flint's public school district to ensure that drinking water is safe. Testing also will be available at no cost to any other school in Flint.
2. Expanding health exposure testing of individual residences.
3. Offering water testing at no cost to Flint residents to assure the water is safe.
4. Begin optimizing corrosion controls in the Flint drinking water system.
5. Convening a "Safe Drinking Water Technical Advisory Committee" to ensure the best technology, practices, and science are being utilized. This Committee will include an expert from the EPA's Office of Research and Development.
6. Accelerating water system improvements to address replacement of lead service lines.
7. Expediting completion of Karegnondi Water Authority.
8. Appointing Dr. Eden Wells as the Flint Drinking Water Public Health Advisor.
9. Providing water filters to residents of Flint.
10. Expanding a comprehensive lead education initiative.

While these actions will mitigate the risk of lead exposure in the immediate and long term, there are a number of federal regulatory hurdles that impede our ability to further reduce risk. As the federal representative for the City of Flint, I would appreciate your assistance on the following federal items:

1. Make federal Drinking Water Revolving Loan funds available for the replacement of private service lines.
2. Ease and/or eliminate restrictions on the purchase of bottled water for SNAP and WIC recipients. This should include a temporary, targeted increase in SNAP benefits so that the purchase of bottled water does not count against a recipients' current SNAP allocation.
3. Request that the EPA expedite promulgation of the long term revisions to the Lead and Copper Rule.

As the situation continues to evolve, I would also appreciate your assistance in the event that additional federal action is needed.

Thank you for your continued advocacy related to the City of Flint's water. I have appreciated the ongoing dialogue and am heartened to have a partner in ensuring that the residents of Flint have access to safe, clean drinking water. I look forward to continuing to work with you on this and many other issues of importance to Michiganders.

Sincerely,

Rick Snyder
Governor

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

October 2, 2015

The Honorable Gary Peters
U.S. Senate
724 Hart Senate Office Building
Washington, DC 20510

Dear Senator Peters:

As we continue to address ongoing issues related to the City of Flint's water, I want to make sure you are aware of the actions taken by the State of Michigan to ensure that the residents of Flint have access to safe, clean drinking water. These actions include:

1. Immediately testing Flint's public school district to ensure that drinking water is safe. Testing also will be available at no cost to any other school in Flint.
2. Expanding health exposure testing of individual residences.
3. Offering water testing at no cost to Flint residents to assure the water is safe.
4. Begin optimizing corrosion controls in the Flint drinking water system.
5. Convening a "Safe Drinking Water Technical Advisory Committee" to ensure the best technology, practices, and science are being utilized. This Committee will include an expert from the EPA's Office of Research and Development.
6. Accelerating water system improvements to address replacement of lead service lines.
7. Expediting completion of Karegnondi Water Authority.
8. Appointing Dr. Eden Wells as the Flint Drinking Water Public Health Advisor.
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3. Request that the EPA expedite promulgation of the long term revisions to the Lead and Copper Rule.

As the situation continues to evolve, I would also appreciate your assistance in the event that additional federal action is needed.

Thank you for your continued efforts to ensure that the residents of Flint have access to safe, clean drinking water. I look forward to continuing to work with you on this and many other issues of importance to Michiganders.

Sincerely,

Rick Snyder
Governor

STATE OF MICHIGAN

RICK SNYDER
GOVERNOR

EXECUTIVE OFFICE
LANSING

BRIAN CALLEY
LT. GOVERNOR

October 2, 2015

The Honorable Debbie Stabenow
U.S. Senate
731 Hart Senate Office Building
Washington, DC 20510

Dear Senator Stabenow:

As we continue to address ongoing issues related to the City of Flint's water, I want to make sure you are aware of the actions taken by the State of Michigan to ensure that the residents of Flint have access to safe, clean drinking water. These actions include:

1. Immediately testing Flint's public school district to ensure that drinking water is safe. Testing also will be available at no cost to any other school in Flint.
2. Expanding health exposure testing of individual residences.
3. Offering water testing at no cost to Flint residents to assure the water is safe.
4. Begin optimizing corrosion controls in the Flint drinking water system.
5. Convening a "Safe Drinking Water Technical Advisory Committee" to ensure the best technology, practices, and science are being utilized. This Committee will include an expert from the EPA's Office of Research and Development.
6. Accelerating water system improvements to address replacement of lead service lines.
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3. Request that the EPA expedite promulgation of the long term revisions to the Lead and Copper Rule.

As the situation continues to evolve, I would also appreciate your assistance in the event that additional federal action is needed.

Thank you for your continued efforts to ensure that the residents of Flint have access to safe, clean drinking water. I look forward to continuing to work with you on this and many other issues of importance to Michiganders.

Sincerely,

Rick Snyder
Governor

From: Hall, Jean (GOV)
Sent: Wednesday, October 14, 2015 9:29 AM
To: Wisniewski, Wendy (GOV)
Subject: RE: Today's Flint Next Steps Meeting

Thanks. Sorry.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Wisniewski, Wendy (GOV)
Sent: Wednesday, October 14, 2015 9:27 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Subject: Re: Today's Flint Next Steps Meeting

FYI - this is Jarrods meeting and I'll let him know

Sent from my iPad

On Oct 14, 2015, at 9:23 AM, Hall, Jean (GOV) <hallj16@michigan.gov> wrote:

> Hi Dennis,
>
> John asked me to let you know that he has a House meeting on DPS this morning at 10:30 a.m. at the Capitol. He most likely won't make it back for the Flint meeting and he has asked Ari to cover it for him.
>
> Thank you.
>
> Jean Hall
> Executive Assistant
> Office of Strategic Policy
> Executive Office of Governor Rick Snyder
> Hallj16@michigan.gov
> 517-241-5493

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 11:02 AM
To: Shaler, Karen (DEQ)
Cc: Sygo, Jim (DEQ); Thelen, Mary Beth (DEQ)
Subject: RE: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder

Thank you Karen, I will let you know when it is ready.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Shaler, Karen (DEQ)
Sent: Tuesday, November 03, 2015 10:51 AM
To: Hall, Jean (GOV) <HallJ16@michigan.gov>
Cc: Sygo, Jim (DEQ) <SygoJ@michigan.gov>; Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder

Hi Jean,

Michigan needs to send a letter signed by Governor Rick Snyder to Susan Hedman, Regional Administrator, United States Environmental Protection Agency (USEPA), Region 5, to designate a DEQ point of contact for the USEPA's Flint Safe Drinking Water Task Force.

Attached are: (1) a PDF of our Information Transmittal and Request for Governor's Action signed by Director Dan Wyant, along with a copy of its attached October 21 Flint Drinking Water Action Plan Update regarding the conference call with USEPA requesting a letter and USEPA's October 16 press release regarding the establishment of the Task Force (see yellow highlighted text in both attachments); (2) a completed Governor Snyder - Signature Request Form; and (3) the Word version of the draft letter.

Please let me know when the letter is ready to be picked up. Thank you!

Karen Shaler, Management Assistant to
Chief Deputy Director Jim Sygo
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6709
Fax: 517-241-7401
shalerk@michigan.gov

From: Walsh, John (GOV)
Sent: Monday, January 04, 2016 2:04 PM
To: Biehl, Laura (GOV)
Subject: RE: DEQ director messaging

Thank you.

From: Biehl, Laura (GOV)
Sent: Monday, January 04, 2016 1:08 PM
To: Walsh, John (GOV) <WalshJ@michigan.gov>
Subject: DEQ director messaging

Hi John- Dave asked me to send you the internal email and statement we issued last week. This makes our messaging on Dan's departure clear.

Let me know if you have any questions.

Laura

Email:
Team,

As you are aware, we have been working closely with the independent task force that has been reviewing state, local and federal actions regarding the serious health issues related to water in Flint.

Although the task force's final report is not yet complete, members have made the Governor aware of some interim findings, and there are interim steps the Governor has decided to take immediately in order to restore trust in how we in state government keep residents safe and informed.

As part of this process, Dan Wyant, director of the Department of Environmental Quality, has offered his resignation, and Governor has reluctantly decided to accept it. There are likely to be other personnel changes in MDEQ as well.

I want to thank Dan for his service. He has been the DEQ director since the start of the administration, and previously headed the Agriculture Department under both Gov. Engler and Gov. Granholm. He is passionate about public service and protecting our state's environment.

The situation in Flint is serious and challenging. We will continue to work closely with the task force and city leaders as we move forward, committed to protecting the health of people living in Flint and around our state.

Sincerely,

Jarrod Agen

Press release:

Gov. Rick Snyder takes action on initial findings from Flint Water Task Force
Changes to take place at DEQ, meeting planned with Mayor Karen Weaver

In response to initial findings from the Flint Water Task Force, Gov. Rick Snyder today issued the following statement:

"When I became aware that the city of Flint's water showed elevated lead levels and that the state's handling of the situation was being questioned, I requested funding to switch the source back to the Great Lakes Water Authority and appointed an independent task force to identify possible missteps and areas for improvement.

"The task force has done an exceptional job, reviewing stacks of documents and interviewing scores of Flint, Genesee County, state and federal officials. Although the task force's final report is not yet completed, members have made me aware of some interim findings and corrective steps that I have decided to take immediately in order to restore trust in how the state keeps its citizens safe and informed.

"We'll continue to work with the community members to make sure we hear and respond to their concerns.

"In addition, MDEQ Director Dan Wyant has offered his resignation, and I've determined that it's appropriate to accept it. I'm also making other personnel changes at MDEQ to address problems cited by the task force.

"But changes in leadership and staff are not enough. I understand there can be disagreements within the scientific community. That is why I have directed both the departments of Environmental Quality and Health and Human Services to invite every external scientist who has worked on this issue to be our partners in helping us improve Flint water. Let's share research on water and blood lead level testing so we can arrive at accurate and mutually supported conclusions. Together, we should work to affirm that we're using the very best testing protocols to ensure Flint residents have safe drinking water and that we're taking steps to protect their health over the short and long term.

"I want the Flint community to know how very sorry I am that this has happened. And I want all Michigan citizens to know that we will learn from this experience, because Flint is not the only city that has an aging infrastructure.

"I know many Flint citizens are angry and want more than an apology. That's why I'm taking the actions today to ensure a culture of openness and trust. We've already allocated $10 million to test the water, distribute water filters, and help in other ways. Last week, I called Flint Mayor Karen Weaver, and we're going to meet soon to discuss other ways the state can offer assistance.

"These are only initial steps - we fully expect to take more actions following the recommendations of our task force. When it comes to matters of health and quality of life, we're committed to doing everything we can to protect the well-being of our citizens."

# # #

Best,

Laura Biehl
Deputy Press Secretary
Executive Office of Michigan Gov. Rick Snyder
George W. Romney Building
111 S. Capitol Ave.

Lansing, MI 48933
Office: 517-335-6397
Cell: [redacted]
BiehlL@Michigan.gov

Full Name:	Bob Carlyon
Last Name:	Carlyon
First Name:	Bob
Job Title:	Water Plant Supervisor
Company:	City of Flint - Water
Business Address:	4500 North Dort Highway Flint, MI 48505
Business:	(810) 787-6537
Pager:	[redacted]
Business Fax:	(810) 787-3710

From: Shaler, Karen (DEQ)
Sent: Friday, November 06, 2015 1:01 PM
To: Hall, Jean (GOV)
Cc: Sygo, Jim (DEQ); Thelen, Mary Beth (DEQ); Bedan, Morgan (GOV)
Subject: RE: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder

The letter looks great, Jean. I'll be over to pick it up shortly. Thanks!

Karen

From: Hall, Jean (GOV)
Sent: Friday, November 06, 2015 12:55 PM
To: Shaler, Karen (DEQ)
Cc: Sygo, Jim (DEQ); Thelen, Mary Beth (DEQ); Bedan, Morgan (GOV)
Subject: RE: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder

Hi Karen,

The attached letter is ready to be picked up at the Romney Building, 2nd FL Reception Desk. Please look it over and let me know if you have any questions.

Also, please let me know if you do not need the original. Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Shaler, Karen (DEQ)
Sent: Tuesday, November 03, 2015 10:51 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Sygo, Jim (DEQ) <SygoJ@michigan.gov>; Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder

Hi Jean,

Michigan needs to send a letter signed by Governor Rick Snyder to Susan Hedman, Regional Administrator, United States Environmental Protection Agency (USEPA), Region 5, to designate a DEQ point of contact for the USEPA's Flint Safe Drinking Water Task Force.

Attached are: (1) a PDF of our Information Transmittal and Request for Governor's Action signed by Director Dan Wyant, along with a copy of its attached October 21 Flint Drinking Water Action Plan Update regarding the conference call with USEPA requesting a letter and USEPA's October 16 press release regarding the establishment of the Task Force (see yellow highlighted text in both attachments); (2) a completed Governor Snyder - Signature Request Form; and (3) the Word version of the draft letter.

Please let me know when the letter is ready to be picked up. Thank you!

Karen Shaler, Management Assistant to
Chief Deputy Director Jim Sygo
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6709
Fax: 517-241-7401
shalerk@michigan.gov

From: Ayers, Angela (GOV)
Sent: Friday, January 01, 2016 7:45 PM
To: Hall, Jean (GOV)
Subject: Re: JW/AAyers/Director Wyant RE: Water Strategy

Hi Jean, I'd still like to have this conversation with Keith if John thinks it's appropriate. Keith is very engaged in the water strategy and would have good insights on if we can influence its final production.

Angela
Sent from my iPhone

On Dec 31, 2015, at 3:21 PM, Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov> wrote:

> Hi Jean,
>
> This is odd, but for some reason the January 7, 9:00 meeting with John Walsh and Angela Ayers says the location is City of Flint on my end. Maybe it doesn't show that on your end of the calendar?
> Since Dan has left, do you want to have this meeting with Keith? I don't have full access to Keith's calendar yet but I can check to see if this will work for him.
>
> Please advise. Thanks. Happy New Year.
>
> Mary Beth
>
> Mary Beth Thelen
> Executive Management Assistant to the Director
> Department of Environmental Quality
> Constitution Hall, 6th Floor South
> Phone: 517-284-6712 or 284-6700
> Fax: 517-241-7401
> Thelenm2@michigan.gov
>
> -----Original Appointment-----
> **From:** Walsh, John (GOV)
> **Sent:** Monday, December 14, 2015 11:10 AM
> **To:** Walsh, John (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Ayers, Angela (GOV); Hall, Jean (GOV)
> **Subject:** JW/AAyers/Director Wyant RE: Water Strategy
> **When:** Thursday, January 07, 2016 9:00 AM-9:45 AM Customized Time Zone.
> **Where:** City of Filnt - 1101 S. Saginaw Street, Flint 48502 - City Administrator's Office
>
> << File: Water Strategy Ideas.docx >>

From: Thelen, Mary Beth (DEQ)
Sent: Monday, January 04, 2016 11:20 AM
To: Hall, Jean (GOV)
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

Will get back to you soon as soon as I have a handle on the schedule and can breathe! Stay tuned…..

Mary Beth

Mary Beth Thelen
Executive Management Assistant to the Director
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Hall, Jean (GOV)
Sent: Monday, January 04, 2016 9:08 AM
To: Thelen, Mary Beth (DEQ)
Cc: Ayers, Angela (GOV)
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

Hi Again, Mary Beth,

John now has a meeting with the Governor that conflicts with the 9 a.m. meeting. Can you check Keith's schedule for 11:30 a.m. that day? Or 10:30 or 11 a.m. on Tues. Jan. 12th?

Jean Hall
Executive Manager
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Thelen, Mary Beth (DEQ)
Sent: Thursday, December 31, 2015 3:21 PM
To: Walsh, John (GOV) <WalshJ@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>; Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

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Please advise. Thanks. Happy New Year.

Mary Beth

Mary Beth Thelen
Executive Management Assistant to the Director
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700
Fax: 517-241-7401
Thelenm2@michigan.gov

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From: Walsh, John (GOV)
Sent: Monday, December 14, 2015 11:10 AM
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Subject: JW/AAyers/Director Wyant RE: Water Strategy
When: Thursday, January 07, 2016 9:00 AM-9:45 AM Customized Time Zone.
Where: City of Filnt - 1101 S. Saginaw Street, Flint 48502 - City Administrator's Office

<< File: Water Strategy Ideas.docx >>

From: Thelen, Mary Beth (DEQ)
Sent: Monday, January 04, 2016 11:23 AM
To: Hall, Jean (GOV)
Cc: Ayers, Angela (GOV)
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

Keith has an 11:30 with another person from Governor's office on Thursday. So that will not work out.

On Jan. 12, he is scheduled for those Governor's office Strategic Excellence meetings from 10:15 – 12:15.

Can you please give me a couple of other options? Thanks Jean!

Sorry!!

Mary Beth

Mary Beth Thelen
Executive Management Assistant to the Director
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Hall, Jean (GOV)
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Cc: Ayers, Angela (GOV)
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Jean Hall
Executive Manager
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj15@michigan.gov
517-241-5493

From: Thelen, Mary Beth (DEQ)

Sent: Thursday, December 31, 2015 3:21 PM
To: Walsh, John (GOV) <WalshJ@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>; Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

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Please advise. Thanks. Happy New Year.

Mary Beth

Mary Beth Thelen
Executive Management Assistant to the Director
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700
Fax: 517-241-7401
Thelenm2@michigan.gov

-----Original Appointment-----
From: Walsh, John (GOV)
Sent: Monday, December 14, 2015 11:10 AM
To: Walsh, John (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Ayers, Angela (GOV); Hall, Jean (GOV)
Subject: JW/AAyers/Director Wyant RE: Water Strategy
When: Thursday, January 07, 2016 9:00 AM-9:45 AM Customized Time Zone.
Where: City of Filnt - 1101 S. Saginaw Street, Flint 48502 - City Administrator's Office

<< File: Water Strategy Ideas.docx >>

From: Hall, Jean (GOV)
Sent: Tuesday, November 03, 2015 11:02 AM
To: Shaler, Karen (DEQ)
Cc: Sygo, Jim (DEQ); Thelen, Mary Beth (DEQ)
Subject: RE: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder

Thank you Karen, I will let you know when it is ready.

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Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

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Subject: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder

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Attached are: (1) a PDF of our Information Transmittal and Request for Governor's Action signed by Director Dan Wyant, along with a copy of its attached October 21 Flint Drinking Water Action Plan Update regarding the conference call with USEPA requesting a letter and USEPA's October 16 press release regarding the establishment of the Task Force (see yellow highlighted text in both attachments); (2) a completed Governor Snyder - Signature Request Form; and (3) the Word version of the draft letter.

Please let me know when the letter is ready to be picked up. Thank you!

Karen Shaler, Management Assistant to
Chief Deputy Director Jim Sygo
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6709
Fax: 517-241-7401
shalerk@michigan.gov

From: Hall, Jean (GOV)
Sent: Friday, November 06, 2015 12:55 PM
To: Shaler, Karen (DEQ)
Cc: Sygo, Jim (DEQ); Thelen, Mary Beth (DEQ); Bedan, Morgan (GOV)
Subject: RE: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder
Attachments: 11.6.15 DEQ Susan Hedman USEPA Flint Water.pdf

Hi Karen,

The attached letter is ready to be picked up at the Romney Building, 2nd FL Reception Desk. Please look it over and let me know if you have any questions.

Also, please let me know if you do not need the original. Thank you.

Jean Hall
Executive Assistant
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Shaler, Karen (DEQ)
Sent: Tuesday, November 03, 2015 10:51 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Sygo, Jim (DEQ) <SygoJ@michigan.gov>; Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: Request for DEQ Point of Contact Designation Letter Signed by Governor Snyder

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Please let me know when the letter is ready to be picked up. Thank you!

Karen Shaler, Management Assistant to
Chief Deputy Director Jim Sygo
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6709
Fax: 517-241-7401

shalerk@michigan.gov

STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

November 6, 2015

Dr. Susan Hedman, Regional Administrator
United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard (R-19J)
Chicago, Illinois 60604-3507

Dear Dr. Hedman:

This letter is in follow up to a conference call on October 20, 2015 between the United States Environmental Protection Agency (USEPA), Region 5, and the Michigan Department of Environmental Quality (MDEQ). The purpose of that call was to discuss Region 5's Flint Safe Drinking Water Task Force (Task Force) that was established to provide the USEPA's technical expertise to the MDEQ and the city of Flint, Michigan.

During that call, it was requested that the State of Michigan provide the USEPA with an MDEQ point of contact for the Task Force. This letter is to inform you of the designation of Mr. Jim Sygo, Chief Deputy Director, MDEQ, as that point of contact. Mr. Sygo's contact information is below:

Michigan Department of Environmental Quality
P.O. Box 30473
Lansing, MI 48909-7973
sygoj@michigan.gov
517-284-6709

Thank you for your assistance in this matter as we work together to ensure a safe and reliable drinking water supply for the city of Flint.

Sincerely,

Rick Snyder
Governor

cc: Mr. Robert Kaplan, Deputy Regional Administrator, USEPA, Region 5
Mr. Dan Wyant, Director, MDEQ
Mr. Jim Sygo, Chief Deputy Director, MDEQ

From: Hall, Jean (GOV)
Sent: Monday, January 04, 2016 8:04 AM
To: Thelen, Mary Beth (DEQ); Ayers, Angela (GOV)
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

Hi Mary Beth – Happy New Year!

The meeting is at the Romney Building – 3rd FL Policy Conf. Room. Can you just change it on your calendar. Not sure why it is showing Flint, as that is not on my end. I will talk to John about how he wants to handle this meeting and get back with you – thinking he will probably want to move forward with Keith, so if you could check Keith's calendar that would be helpful.

Jean Hall
Executive Manager
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Halli16@michigan.gov
517-241-5493

From: Thelen, Mary Beth (DEQ)
Sent: Thursday, December 31, 2015 3:21 PM
To: Walsh, John (GOV) <WalshJ@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>; Hall, Jean (GOV) <halli16@michigan.gov>
Cc: Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

Hi Jean,

This is odd, but for some reason the January 7, 9:00 meeting with John Walsh and Angela Ayers says the location is City of Flint on my end. Maybe it doesn't show that on your end of the calendar? Since Dan has left, do you want to have this meeting with Keith? I don't have full access to Keith's calendar yet but I can check to see if this will work for him.

Please advise. Thanks. Happy New Year.

Mary Beth

Mary Beth Thelen
Executive Management Assistant to the Director
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700
Fax: 517-241-7401
Thelenm2@michigan.gov

-----Original Appointment-----
From: Walsh, John (GOV)
Sent: Monday, December 14, 2015 11:10 AM
To: Walsh, John (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Ayers, Angela (GOV); Hall, Jean (GOV)
Subject: JW/AAyers/Director Wyant RE: Water Strategy
When: Thursday, January 07, 2016 9:00 AM-9:45 AM Customized Time Zone.
Where: City of Filnt - 1101 S. Saginaw Street, Flint 48502 - City Administrator's Office

<< File: Water Strategy Ideas.docx >>

From: Hall, Jean (GOV)
Sent: Monday, January 04, 2016 11:32 AM
To: Thelen, Mary Beth (DEQ)
Cc: Ayers, Angela (GOV)
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

Thanks Mary Beth, I just updated the appt. just wanted to make sure you saw the document below in the appt. Thanks again.

Water Strategy Ideas.docx

Jean Hall
Executive Manager
Office of Strategic Policy
Executive Office of Governor Rick Snyder
Hallj16@michigan.gov
517-241-5493

From: Thelen, Mary Beth (DEQ)
Sent: Monday, January 04, 2016 11:29 AM
To: Hall, Jean (GOV) <halli16@michigan.gov>
Cc: Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

I can keep 9:00 on for Keith Creagh. Thank you Jean!!

Mary Beth

Mary Beth Thelen
Executive Management Assistant to the Director
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6712 or 284-6700
Fax: 517-241-7401
Thelenm2@michigan.gov

From: Hall, Jean (GOV)
Sent: Monday, January 04, 2016 11:27 AM
To: Thelen, Mary Beth (DEQ)
Cc: Ayers, Angela (GOV)
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

9 a.m. on Thursday now works again. If not, here are some more options for next week.

Thurs. – Jan. 14th @ 9 a.m. or between 1 and 3:30 p.m.

Jean Hall
Executive Manager
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Thelen, Mary Beth (DEQ)
Sent: Monday, January 04, 2016 11:23 AM
To: Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Ayers, Angela (GOV) <AyersA@michigan.gov>
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

Keith has an 11:30 with another person from Governor's office on Thursday. So that will not work out.

On Jan. 12, he is scheduled for those Governor's office Strategic Excellence meetings from 10:15 – 12:15.

Can you please give me a couple of other options? Thanks Jean!

Sorry!!

Mary Beth

Mary Beth Thelen
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Fax: 517-241-7401
Thelenm2@michigan.gov

From: Hall, Jean (GOV)
Sent: Monday, January 04, 2016 9:08 AM
To: Thelen, Mary Beth (DEQ)
Cc: Ayers, Angela (GOV)
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

Hi Again, Mary Beth,

John now has a meeting with the Governor that conflicts with the 9 a.m. meeting. Can you check Keith's schedule for 11:30 a.m. that day? Or 10:30 or 11 a.m. on Tues. Jan. 12th?

Jean Hall
Executive Manager
Office of Strategic Policy
Executive Office of Governor Rick Snyder
HallJ16@michigan.gov
517-241-5493

From: Thelen, Mary Beth (DEQ)
Sent: Thursday, December 31, 2015 3:21 PM
To: Walsh, John (GOV) <WalshJ@michigan.gov>; Ayers, Angela (GOV) <AyersA@michigan.gov>; Hall, Jean (GOV) <hallj16@michigan.gov>
Cc: Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: RE: JW/AAyers/Director Wyant RE: Water Strategy

Hi Jean,

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Please advise. Thanks. Happy New Year.

Mary Beth

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Phone: 517-284-6712 or 284-6700
Fax: 517-241-7401
Thelenm2@michigan.gov

-----Original Appointment-----
From: Walsh, John (GOV)
Sent: Monday, December 14, 2015 11:10 AM
To: Walsh, John (GOV); Wyant, Dan (DEQ); Thelen, Mary Beth (DEQ); Ayers, Angela (GOV); Hall, Jean (GOV)
Subject: JW/AAyers/Director Wyant RE: Water Strategy
When: Thursday, January 07, 2016 9:00 AM-9:45 AM Customized Time Zone.
Where: City of Filnt - 1101 S. Saginaw Street, Flint 48502 - City Administrator's Office

<< File: Water Strategy Ideas.docx >>

MEMORANDUM

Date: December 4, 2015

To: John Walsh

From: Angela Ayers

RE: Water Strategy Ideas

Michigan's Water Strategy is a unique opportunity to align state agencies, communities, local governments and various stakeholder groups around a common vision for enhancing environmental and economic opportunities of our water resources. We are the Great Lakes state. Our water strategy should match our passion for our water resources. As currently proposed, this document will be a missed opportunity.

The vision outlined in the current strategy is weak, at best. "Michigan's water resources support a healthy environment, healthy citizens, vibrant communities and sustainable economies." A vision statement should clarify the purpose of the document and inform direction. A grand vision goes a step further and helps to ignite action in others.

The current Water Strategy is a self-described "30-year vision" and "strategy for all people of Michigan." It identifies a vision, four core values, nine goals, and 62 recommendations (22 of which are "key recommendations"), but does not prioritize the information for any group or entity, nor for any timeframe. While it documents the important actions all water-based stakeholders are currently taking or must take to ensure future water quality and economic prosperity (along with measures of success and methods to track results), its current design is too broad to derive any inherent value. It lacks clarity and direction.

If we can slightly finesse the document to provide some additional clarity in, at a minimum, the State's role in aligning priorities and how the State will use the document in its decision making, it will increase its value to not only our stakeholders, but ourselves as well.

Here are some ideas for consideration:

- Refine the vision to provide clarity on the purpose of the document and ignite action in others. Example:
    - The State of Michigan capitalizes on its unique connection to the Great Lakes and all its water assets by aligning resources to ignite economic opportunities and provide an unparalleled quality of life for all people
- Include statements in the introduction to provide context to the vision. Examples include:
    - Water is helping Michigan in its reputation as the Comeback State.
    - Placemaking is becoming ever more important to our communities. People want to live in a high quality of life location. Michigan is a high value quality of life location. And our vast water resources are a large part of the reason why.
    - Leveraging Michigan's water resources as an integral part of a community's quality of life will help attract and retain our workforce of today and tomorrow. Technology is changing the culture and working habits of our workforce. Telecommuting and working remotely are more commonplace, which has released the workforce from the office

building, allowing greater choice on where individuals are working. This trend has increased the decisions of where employees will work. Instead of living near their place of employment, employees are choosing to live in areas with high quality of life values.
    - Water is the primary component of the Pure Michigan experience. We are known for our water. Leveraging our unique connection with our vast water resources will ignite economic development opportunities in our communities while providing an unparalleled quality of life for all. We are the Great Lakes state.

- Identify the top 6 *specific* goals the state will focus on in the next 5 years. This will send a message to stakeholders of where to focus their own actions and provide a more solid direction towards implementation. The nine goals currently listed in the strategy are so broad they are more categorical descriptions rather than goals. Specificity and clarity are key.
- Earlier this year, OGL, DNR and DEQ identified the top 6 goals the State will focus on, however this is not indicated in the Strategy. These goals are only known to the Governor's Office and State Departments as priorities they will focus on. By pulling out clear and specific goals in the Strategy, this will create an urgency around a more narrow set of objectives, resulting in increased action by stakeholders (legislators, local and regional governments, NGOs, university programs and research, industry groups, businesses, etc.). Everyone will be in the same boats, rowing in the same direction.
- The top 6 goals currently identified are:
    - Prevent introduction of new AIS and control established populations.
    - Achieve a 40% phosphorus in western Lake Erie basin.
    - Support investments in commercial and recreational harbors and address long-term maritime infrastructure needs.
    - Develop and implement a water trails system.
    - Accelerate water technologies to solve water problems using an entrepreneurial business-led initiative.
    - Establish a Water Fund to achieve Water Strategy goals including water infrastructure management.
- In addition, we should also consider adding a seventh goal related to safe drinking water.

- Include statements in the introduction to clearly articulate the purpose and direction of the document. Explain what we will be doing around these 6 key areas and how others can do the same. Examples include:
    - Michigan's state agencies will work together to align resources around these six/seven key areas of focus to increase capacity throughout the state by (for example):
        - Prioritizing projects for grant funding
        - Increased scoring in loan funding
        - Conduct a thorough review of state policies and programs around these three focus areas to enhance efficiencies and increase access to funding
        - Work with stakeholders and communities to address regional and local issues around these three focus areas
    - The State of Michigan will use this strategy in our decision making related to water policies and programs
    - We envision our numerous partners using this document to prioritize and influence their individual goals and objectives related to water management. In the short-term,

stakeholders can align their actions around the three key focus areas, while they work towards the full complement of 62 recommendations.

- Keep the core values, nine goals and 62 recommendations.
- If we're going to keep the 22 key recommendations, we should say what we want done with them. It's not clear what will be done differently with these 22 versus the 62.